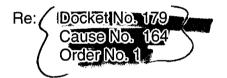
Chesapeake Appalachia Docket 179-164



Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304



Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- As Vice President-Operations, Eastern Division, my responsibilities include general
 oversight of departments responsible for the completion and drilling of Chesapeake
 wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5. Further, Affiant saith not.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Manor Roed Charlesten, WV 25301

My Controls Sign Expires Nov. 18, 2009

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
0.45,00000	000070
045-02038 045-02020	826678
	826646
049-01438 039-06020	826644
	826626
045-02018 045-02017	826609
045-02017	826608 826606
045-02030	826605
045-02006	826604
045-02007	826603
045-02016	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY CHESAPEAKE APPALACHIA, L.L.C., FOR AN ORDER FROM THE COMMISSION ESTABLISHING SPECIAL FIELD RULES IN BOONE, KANAWHA, LINCOLN, LOGAN AND MINGO COUNTIES, WEST VIRGINIA, COVERING NESTLOW, BRANCHLAND, HAGER, JULIAN, GRIFFITHSVILLE, RADNOR, KIAHSVILLE, RANGER, BIG CREEK, MUD, WEBB, WILSONDALE, TRACE, CHAPMANVILLE, KERMIT NAUGATUCK, MYRTLE, HOLDEN WILLIAMSON, DELBARTON AND BARNABUS QUADRANGLES.

DOCKET NO. 179
CAUSE NO. 164
ORDER NO. 1

REPORT OF THE COMMISSION

Chesapeake Appalachia, L.L.C. ("Chesapeake") requested a hearing before the Commission for the establishment of special field rules covering all acreage it now owns or controls or may acquire in the future within the area shown on the map attached hereto as Exhibit "A" and incorporated herein by reference, which designated area is located in Boone, Kanawha, Lincoln, Logan and Mingo Counties, West Virginia. Chesapeake wishes to drill wells in the special field rule area in order to produce from the Marcellus Shale formation and other shallower formations. Although the Marcellus Shale is a "shallow" formation, Chesapeake proposes to drill up to 75 feet into the Onondaga Group to enable the logging and completion of the entire Marcellus Shale section. Chesapeake will not perforate or complete any formation below the base of the Marcellus Shale formation; however, by definition, since the proposed wells will be drilled in excess of twenty feet into the Onondaga Group, they will be considered deep wells. Therefore, Chesapeake requested that the Commission set spacing for any proposed wells drilled by Chesapeake under these special field rules to conform to the following: 1,000' between wells and 50' from a lease line or unit boundary.

FINDINGS OF FACT

- 1. Applicant, Chesapeake, is an operator within the meaning of paragraph (4) subsection (a) of West Virginia Code §22C-9-2.
- 2. Chesapeake currently owns or controls approximately 427,000 acres of leasehold or oil and gas interests in the area for which special field rules have been requested as shown on Exhibit "A", which area is located in Boone, Kanawha, Lincoln, Logan and Mingo Counties of West Virginia. Chesapeake may acquire additional acreage within this area in the future. One of the target formations in this area is the Marcellus Shale, which lies directly above the Onondaga Group. Chesapeake wishes to drill wells in the special field rule area utilizing up to 75 feet of rat hole in

the Onondaga Group. Chesapeake's witnesses testified that 75 feet of rat hole is necessary to effectively log, complete, and produce the wells in the Marcellus formation. The 75 feet of rat hole will allow Chesapeake to get cementing tools, logging tools, casing and tubing, and perforating tools to a sufficient depth below the Marcellus formation to effectively develop the natural gas reserves from the Marcellus formation in a safe and efficient manner. Without the additional rat hole, the Marcellus Shale cannot be completed through its entire interval and reserves of natural gas may not be produced.

- 3. Chesapeake's witnesses stated that the Onondaga Group would not be produced or completed in any wells without additional approval from the Commission.
- 4. It would not be prudent to develop the Marcellus Shale reserves under the spacing requirements imposed on deep wells because recoverable reserves would be left in place. In order to avoid leaving recoverable reserves in place and to provide flexibility in spotting well locations, exceptions to Operational Rule §39-1-4.2 or the establishment of special field rules is necessary. Chesapeake's witness testified that Chesapeake has approximately 1700 future locations in the special field rule area. Chesapeake is requesting special field rules from the Commission as it is the most cost effective and administratively efficient manner in which to address the issues faced in drilling, logging, completing and producing Marcellus Shale wells, rather than requesting spacing exceptions on case-by-case or a well-by-well basis.
- 5. Chesapeake asked the Commission to set spacing for wells drilled under the special field rules at a minimum distance of 1,000' between wells and 50' from a lease line or unit boundary. The Commission, however, believed it was more appropriate to space these wells at a minimum distance of 1,000' between wells and 100' from a lease or unit boundary in order to maintain uniformity with existing special field rules obtained by Eastern American Energy Corporation covering Marcellus Shale wells, subject to paragraph 6 below.
- 6. Pocahontas Land Corporation by letter dated May 16, 2007, filed a written objection to Chesapeake's request for special field rules. Pocahontas, through counsel, withdrew its objection but only insofar as it related to this particular hearing based upon agreement with Chesapeake that in the event a coal seam owner or operator objected to the proposed drilling or deepening of a well to the Marcellus Shale, then the terms and provisions of West Virginia Code §22C-8-8 would apply.
- 7. Chesapeake's witness testified that the Onondaga Group is between 110 feet and 180 feet thick in the area subject to the request for special field rules.
- 8. Chesapeake has complied with the requirements of the statute and Operational Rule §39-1-6.

CONCLUSIONS OF LAW

- 1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.
- 2. Definitions found in §22C-9-2(11-12) state that shallow well means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group": provided, that in drilling a shallow well the operator may penetrate into the "Onondaga Group" to a reasonable depth, not in excess of twenty feet, in order to allow for logging and completion operations, but in no event may the "Onondaga Group" formation be otherwise produced, perforated or stimulated in any manner, and deep well means any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group".
- 3. That Marcellus Shale wells drilled more than twenty feet into the Onondaga Group are deep wells.
- 4. That Operational Rule §39-1-4.2 requires that all deep wells drilled shall be not less than 3,000 feet from a permitted deep well location or from a deep well drilling to or capable of producing hydrocarbons from the objective pool of the deep well and no deep well shall be less than 400 feet from a lease or unit boundary. Operational Rule §39-1-4.3 allows for an exception to Operational Rule §39-1-4.2 or for the establishment of special field rules.
- 5. That pursuant to Chapter §22C, Article 9, Code of West Virginia of 1931, as amended, the Commission has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

<u>ORDER</u>

Now, therefore, based on the Findings of Fact and Conclusions of Law, the request by Chesapeake for the establishment of special field rules is granted upon the following grounds:

- 1. The designated area covered by these special field rules is shown on the map attached hereto as Exhibit "A" and incorporated herein by reference, containing approximately 570,000 acres.
- 2. The special field rules apply only to leases or property owned or controlled, now or hereinafter, by Chesapeake.
- The special field rules shall allow Chesapeake to drill wells in the designated area to a depth not to exceed 75 feet into the Onondaga Group or to the base of the Onondaga Group, whichever is shallower. Each well drilled under the special field

rules shall be located a minimum distance of 1,000 feet from each well covered by this Order and 100 feet from a lease line or unit boundary.

- 4. In the event that a coal seam owner or operator objects to the drilling or deepening of a well to the Marcellus Shale under these special field rules, then the terms and provisions of West Virginia Code §22C-8-8 will apply.
- 5. For each well covered by these special field rules, Chesapeake shall submit a deep well permit application. Upon completion of any well drilled under these special field rules, Chesapeake shall submit a copy of the open hole log, perforating log and an affidavit signed by a principal of the company stating that no formation below the top of the Onondaga Group has been perforated or produced in any manner. Thereafter, Chesapeake shall not, perforate, frac or otherwise stimulate the Onondaga Group, unless it subsequently files for, and receives a permit to rework, deepen or complete the Onondaga Group.
- 6. The Commission waives the requirement that Chesapeake must submit a site safety plan and hold a pre-spud meeting for the drilling of wells covered by this Order. However, Chesapeake is required to maintain H₂S monitoring equipment on site for use, if needed.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

By: Davy L d

Dated this <u>id</u>day of July, 2007, at Charleston, West Virginia.

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN RE:

Chesapeake Appalachia, L.L.C.

Special Field Rules

Docket No. 179

Cause No. 164

Transcript of proceedings taken on the 17th day of May, 2007, at 9:00 a.m., before the Oil and Gas Conservation Commission, located at 601 57th Street, Charleston, West Virginia, before Pamela Wood, Certified Court Reporter, duly certified by the West Virginia Supreme Court of Appeals, and Notary Public in and for the State of West Virginia.

PHYLLIS HAYNES EDENS, CCR, INC.

CERTIFIED COURT REPORTERS

Post Office Box 13337

Charleston, West Virginia 25360
(304) 984-3531 WEST VIRGINIA (800) 248-3531

BEFORE THE BOARD OF COMMISSIONERS:

Barry Lay James Martin Bob Radabaugh Anthony Gumm

APPEARANCES:

KEITH E. MOFFATT SENIOR ATTORNEY

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Lewis, Glasser, Casey & Rollins Suite 700, One Valley Square Post Office Box 1746 Charleston, West Virginia 25326

NICHOLAS S. PRESERVATI, ESQUIRE

Preservati Law Offices
Post Office Box 1431
300 Capitol Street, Suite 1018
Charleston, West Virginia 25325

JEFFREY L. KEIM, CPL Regional Land Manager

Cabot Oil & Gas Corporation 900 Lee Street East, Suite 1500 Charleston, West Virginia 25301

DAVID B. MCMAHON, ESQUIRE

1031 Quarrier Street, Suite 200 Charleston, West Virginia 25301

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Jackson Kelly 1600 Laidley Tower Post Office Box 553 Charleston, West Virginia 25322

INDEX

<u>Witness</u>	<u>Examination</u>
BRETT LOFLIN	8 (Moffatt) 12 (Gottlieb) 12 (Preservati) 14 (Sullivan)
ED ROTHMAN	15 (Moffatt) 24 (Gottlieb) 26 (Preservati) 28 (MacMahon) 28 (Comm. Martin) 31 (Comm. Radabaugh) 32 (Comm. Lay) 38 (Moffatt)
ROB SCHINDLER	39 (Moffatt)

JEFF CABLE		47 48	(Moffatt) (Comm. Radabaugh) (Tawney) (Preservati)
<u>Commission Exhibits:</u>	<u>Marked</u>		<u>Admitted</u>
A, Certified Receipt Cards B, Notice of Legal Advertisemen C, Request from Chesapeake dated 4-13-7 D, Pre Hearing Notice with Maps E, Comments Received during 10 F, Comments Received after 10 d	6 6 6		
<u>Chesapeake Exhibits:</u>			
CH1, List of Operators CH2, Affidavit of Publication CH3, Affidavit of Publication CH4, Affidavit of Publication CH5, Affidavit of Publication CH6, Affidavit of Publication CH7, Affidavit of Publication CH7, Affidavit of Publication CH8, Map CH9, CH10, Map	5 5 5 5 5 5 5 5 5		7 7 7 7 7 7 7 24 24 24
Reporter's Certificate			66

are attached hereto.

CHESAPEAKE EXHIBIT NOS. 1-10 FOR IDENTIFICATION

Said documents were thereupon marked as above indicated and

Commission of the State of West Virginia in the matter of the request by Chesapeake, Appalachia, LLC, for an order from the Commission establishing special field rules in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne Counties of West Virginia. This is docket number 179, cause number 164.

Let the record show that present are members of the Commission, Robert Radabaugh, Barry Lay, Anthony Gumm and James Martin, and Cindy Raines from staff.

I'd like to place in the record at this time a copy of the notice of hearing along with the certified receipt cards as Exhibit A from the Commission; the copies of the notice of legal advertisement collectively as Exhibit B; a copy of the request submitted from Chesapeake dated April the 13th, 2007 as Exhibit C; a copy of Chesapeake's pre-hearing notice with maps and list of all of the effected operators as D; a copy of comments received during the 10 day comment period as E, and comments received after the 10 day comment period as F.

LLC.

DEPOSITION EXHIBITS A-F FOR IDENTIFICATION 1 2 Said documents were thereupon marked as above indicated and 3 are attached hereto. 4 COMMISSIONER LAY: At this time, the Commission 5 will take appearances. MR. MOFFATT: Yes, my name is Keith Moffatt, 6 appearing on behalf of Chesapeake Appalachia, and with me 7 8 today as witnesses are Brett Loflin, Mr. Ed Rothman, Rob Schindler and Jeff Cable. 10 COMMISSIONER RAY: Other appearances? 11 MR. MCMAHON: David McMahon, a lawyer 12 representing surface owners. 13 MR. GOTTLIEB: Richard Gottlieb, here on behalf 14 of Penn Virginia and due process rights of all produced gas 15 producers. MR. SULLIVAN: Ben Sullivan on behalf of Equity 16 17 Production Company. 18 MR. TAWNEY: Kenneth Tawney on behalf of Petro Ed Resources, WV, LLC, North Star Energy Corporation, and 19 Trans Energy. 20 21 MR. PRESERVATI: Nick Preservati on behalf of 22 Pocahontas Land Corporation and Argas Energy West Virginia.

1	
1	MR. KEIM: Jeff Keim, Cabot Oil and Gas
2	Corporation.
3	MR. MULLEN: Chris Mullen, East American Energy
4	Corporation.
5	MR. HELDMAN: Roger Heldman, East Resources.
6	COMMISSIONER LAY: Anyone else?
7	MR. CUNNINGHAM: Greg Cunningham, Dominion
8	Exploration and Production.
9	COMMISSIONER LAY: Typically, at this time, I
10	would swear the witnesses, but since we have so many and we
11	don't know who that is going to be at the time, why don't
12	we do them individually as we call the witness, if that's
13	all right.
14	MR. MOFFATT: Sure.
15	COMMISSIONER LAY: I want to make sure that we
16	have that on the record. At this time, Mr. Moffatt, you
17	can proceed with your case. Call your first witness.
18	MR. MOFFATT: Our first witness is Mr. Brett
19	Loflin.
20	COMMISSIONER LAY: Will the court reporter
21	please swear the witness?
22	(Witness sworn.)

Hearing 5-17-07

1 | THEREUPON came,

BRETT LOFLIN

appearing as a witness herein, having been duly sworn to tell the truth, testified as follows:

EXAMINATION

BY MR. MOFFATT:

- Q Mr. Loflin, would you please state your name for the record?
 - A Brett Loflin.
 - Q And by whom are you employed?
 - A Chesapeake Appalachia, LLC.
 - Q And what is your job title at Chesapeake?
 - A I'm a regulatory compliance specialist.
- Q As a regulatory compliance specialist, could you briefly describe some of your duties and responsibilities?

A Basically, anything and everything that has to do with dealing with state and federal agencies and the laws and regulations.

- Q Are you familiar with the request filed by Chesapeake for special field rules here today?
 - A Yes. I am.
 - Q There is a map on an easel which has been

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1	premarked as Chesapeake Exhibit Number 8, I believe. Now,
2	is it correct to say that the area shown in red on that
3	map, is that the area which is encompassed by Chesapeake's
4	request for special field rules?
5	A Yes, it is, with the exception of the
6	block to the right that's labeled, I think, ECA, special
7	field rules area. It's also outlined in red.
8	Q Do you know, approximately, how many
9	acres are encompassed within that area?
10	A Approximately 560,000 acres.
11	Q Do you know how much acreage is owned or
12	controlled by Chesapeake within that area?
13	A 75 percent.
14	Q Now, would that be the acreage shown in
15	yellow on the map, which has been pre-marked as Chesapeake
16	Exhibit Number 8?
17	A Yes.
18	Q Has Chesapeake made reasonable efforts to
19	notify operators located within the area of the area
20	encompassed by its request for special field rules?
21	A Yes, we have.
22	Q And could you tell the Commission how

many operators Chesapeake has identified?

1 80 separate operators. I'm going to hand you a copy of what has 3 been marked Chesapeake Exhibit Number 1. Would you review that and let me know if that would be an accurate list of 4 the operators that have been identified? 6 Α Yes. it is. 7 Did Chesapeake send certified mailings to 8 these operators notifying them of the pre-hearing conference in this matter? 10 Yes. we did. Α 11 And could you tell us what counties the 0 land encompassed in Chesapeake's request for special field 12 13 rules lies within? 14 Boone, Kanawha, Lincoln, Logan, Mingo and Α 15 Wayne. And did Chesapeake publish a notice of 16 0 the pre-hearing conference in papers or newspapers 17 18 circulated in those counties? 19 Yes 20 I'm going to hand you copies of what have been pre-marked Chesapeake's exhibits two through six. If 21 22 you could review that and let me know if those are 23 affidavits of publication relating to those newspapers?

1	A Yes, they are.
2	Q I believe it will be two through seven,
3	since there are six newspaper publications involved; is
4	that correct?
5	A That's correct.
6	COMMISSIONER LAY: Exhibits two through seven?
7	MR. MOFFATT: That's correct. And, at this
8	time, I'd offer Exhibits Number 1 through 7 into evidence.
9	COMMISSIONER LAY: That's fine. We'll accept
10	them as so.
11	DEPOSITION EXHIBIT NOS. 1-7 FOR IDENTIFICATION
12	Said documents were admitted into the record.
13	MR. MOFFATT: And that's all the questions I
14	have for Mr. Loflin.
15	HEARING EXAMINER: Do we have any cross from any
16	of the
17	MR. GOTTLIEB: I don't think I have any cross,
18	but can I see Exhibit Number 1?
19	COMMISSIONER LAY: We're going to go off the
20	record for a minute while they examine the exhibits.
21	(Break taken.)
22	MR. GOTTLIEB: I have just one question for Mr.
23	Loflin.

certified mail?

EXAMINATION 1 2 BY MR. GOTTLIFB: 3 Mr. Loflin, you testified that Chesapeake 4 owned or controlled 75 percent of the acreage that you're asking for special field rules for. Does Exhibit Number 1 5 6 reflect the entire 25 percent of entities, as far as Chesapeake knows, that has interest in the affected 8 acreage? As far as we could identify, yes. that is not on that list would have been covered by the 10 legal advertisements. 11 12 MR. GOTTLIEB: Thank you. 13 MR. PRESERVATI: Nick Preservati. Mr. Loflin. just a couple of quick questions. 14 15 EXAMINATION BY MR. PRESERVATI: 16 17 Looking at this list, did you provide notice to any individuals that's not on this list via 18 19 certified mail? 20 No. we did not. 21 So, is it safe to say that neither 22 Pocahontas Land or Argas Energy were provided notice via

1	A If they're not on that list, yes, that
2	would be safe to say.
3	Q Okay. And, likewise, it would be safe to
4	say since no coal companies are listed on this list, that
5	they didn't get certified notice as well?
6	A That would be correct.
7	MR. PRESERVATI: Thank you.
8	HEARING EXAMINER: Any other questions? Any
9	questions from members of the Commission?
10	COMMISSIONER RADABAUGH: Nothing here.
11	COMMISSIONER GUMM: No.
12	COMMISSIONER LAY: I would just like to have one
13	definition with regard to 75 percent owned or controlled.
14	Can you define what you mean by owned or controlled?
15	THE WITNESS: Yeah. We either have the acreage
16	under lease or we own it in fee.
17	COMMISSIONER LAY: And that's what's depicted
18	in, I'm going to assume yellow, in Exhibit 7?
19	THE WITNESS: Yes.
20	MR. MOFFATT: That would be Exhibit 8.
21	COMMISSIONER LAY: Exhibit 8, I'm sorry. We
22	haven't entered that one. You're right, sorry.
23	MR. SULLIVAN: I've got a question for Mr.

1	Loflin. Ben Sullivan with Equitable Production Company.
2	EXAMINATION
3	BY MR. SULLIVAN:
4	Q Mr. Loflin, when you made this
5	application and noticed the application, when you made the
6	application, was it your intention to bind the other 25
7	percent; meaning, the other operators in this acreage, to
8	special field rules that Chesapeake's applying for here
9	today?
10	A It wasn't our intention to bind any other
11	operators nor to exclude any other operators, either way.
12	MR. SULLIVAN: Thank you.
13	COMMISSIONER LAY: Mr. Radabaugh?
14	MR. RADABAUGH: That satisfies me.
15	COMMISSIONER LAY: Call your next witness.
16	MR. MOFFATT: The next witness is Ed Rothman.
17	COMMISSIONER LAY: Will the court reporter
18	please swear the witness?
19	(Witness sworn.)
20	THEREUPON came,
21	ED ROTHMAN
22	appearing as a witness herein, having been duly sworn to
23	tell the truth, testified as follows:

EXAMINATION 1 BY MR. MOFFATT: 3 Mr. Rothman, would you please state your name for the record? 4 Ed Rothman. And by whom are you employed? 6 0 Chesapeake Appalachia. Α 8 0 And what is your job title? Α I'm a senior geologist. 10 As a senior geologist, what are some of your job duties and responsibilities? 11 I'm basically responsible for southern 12 Α West Virginia, eastern Kentucky and Virginia, as far as 13 evaluating properties to drill gas and oil wells. 14 15 Mr. Rothman, are you familiar with the request being made here today by Chesapeake for special 16 field rules? 17 18 Yes. I am. And, Mr. Rothman, do you have experience 19 20 with wells drilled to the Marcellus formation? 21 Yes. I do. 22 And in preparation for your testimony 23 here today, did you prepare any exhibits?

Yes, I did. I prepared the exhibits that 1 2 are on the easel. 3 And the first exhibit on the easel is Exhibit Number 8. Could you please describe to the 4 Commission what that exhibit demonstrates? 6 Exhibit Number 8 is a map that shows the 7 area that we're requesting special field rules for. : 8 There's a red or rose colored boundary that encompasses the .9 area where we are requesting the field rules for. 10 The yellow is acreage that has been 11 previously said that we own or control in the area. The 12 rose colored triangles are 2007 wells that we are working 13 -- currently working on to drill in this area. And the black dots are existing wells that have already been 14 15 drilled in this area. And then I also included the boundary for 16 special field rules that ECA applied for and was granted. 17 18 Mr. Rothman, could you explain to the Commission why you picked this area or selected this area 19 for inclusion in Chesapeake's request for special field 20 21 rules? 22 This is an area that, you know, we plan

to drill a lot of wells in. I think this year we're hoping

to drill 100 wells in this area and then we have identified another 1,700 locations in this area.

So, this is an area that Chesapeake is going to be very active in drilling to and through the Marcellus in the next few years.

Q And how many planned future locations did you mention Chesapeake has in this area?

A 1.700.

Q Now, you mentioned you had experience or have experience in drilling Marcellus formation wells. Where does the Marcellus formation sit in relation to the Onondaga formation?

A It sits directly on top of the Onondaga.

Q Now, when drilling a Marcellus formation well, is it a challenge to not drill more than 20 feet into the Onondaga?

A It has been a challenge for us to drill less than 20 feet into the Onondaga. We have sent company geologists out to try to pick TD, and we pick TD by two methods; either using a geolograph which shows us our drill rate. When you hit the Onondaga, the drill rate slows down, or we look at samples. And it's just been a very difficult procedure, because the Onondaga is very gradatial

in the area. Sometimes it's not easily seen with drilled rate.

And we also have a lot of problems with the samples, because sometimes we don't gather enough samples to truly identify where we're at.

Q Let's talk about logging the Marcellus formation. Does the 20 foot limitation for shallow gas wells - and I'm speaking of the limitations that you may only drill 20 feet into the Onondaga - does that create any problems for you, as a geologist, when logging the Marcellus formation?

A We, basically, use two contractors in this area. One of them is Slumber-Jay and their tool length is 66 feet, and the other is Allegheny and their tool length is approximately 34 feet. So, we are only allowed 20 feet of rat-hole. We end up having to break tools down, which, you know, adds time in the job. It also adds extra expense.

Q So, to comply with the 20 foot limitation of drilling into the Onondaga, it's necessary to break down the logging tools to log the Marcellus?

A That's correct.

Q Now, in having to do that, does that

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jeopardize at all your ability to log the entire length or zone, or the entire length of the Marcellus formation?

A It does, because even when we break Slumber-Jay's tools down, one run is like 29 feet and the other run is 35 feet. So, even with breaking their tools down, we're not able to log the entire Marcellus.

And, also, with Allegheny, on their second run, they take their gamma ray and run it separately and there's some information that we do that's based from the first run, because it exceeds 20 feet in length.

Q Am I correct in saying that if you're not able to log the entire Marcellus formation, it compromises the quality of the information you receive and your ability to evaluate the Marcellus formation?

A That's correct.

Q And then is it correct to say that because you have poor quality information, it compromises your ability to complete and crack the Marcellus formation?

A Because we don't log the entire section, yeah, we don't get a true reservoir characterization of the entire Marcellus and it might affect us in taking perforations and how we design our fracs.

Q Would the result of this be that you then

1 create a risk of leaving recoverable reserves in the ground 2 3 Marcellus formation? 4 Α 5 0 6 7 Number 9. 8 9 prepared in preparation for this hearing? 10 Α Yes. it is. 11 12 Α 13 14 15 Mingo County. It's Mingo 1824. 16 17 18 19 20 21 22

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if you're not able to perforate the entire length of the That's possible, yes. I'm going to come up here and flip your chart and show you what's been marked Chesapeake Exhibit Mr. Rothman, is that an exhibit you

Could you explain what that demonstrates?

It's examples of logs that have gone through the Marcellus well to the right from a Lincoln County well. It's Lincoln County permit number 3246, and the well to the left is a well that we recently drilled in

And you can see on the well on the right we had permission from the Commission to drill 100 feet into the Marcellus and we were able to log the entire Marcellus interval and the top of the Onondaga.

If you look at the well on the left, you can see clearly our gamma ray didn't get over the Marcellus, and it looks like we just barely got through the

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Marcellus on the density information. 1 2 And I'm not sure about the temperature. 3 which is an important tool in shale wells. Our temperature 4 tool probably didn't pick up much information on the 5 Marcellus. 6 In looking at Exhibit Number 9, is it correct to say then that the information, or the quality of 7 the information you have on the log to the left where you 8 were not able to drill 75 feet into the Onondaga, the 10 quality is poorer than that on the right where you were able to drill at least 75 feet into the Onondaga? 11 That's correct. 12 Α And did you also mention by having to 13 break down your logging tools because of the 20 foot 14 limitation, would that increase the drilling time and 15 drilling cost? 16 That's correct. It's, approximately, an 17 extra two hours of time and then \$2,000 extra; 1,000 to the 18 19 logging company and then 1,000 is for the rig. 20 And if it's necessary to break down your

additional run down the hole?

logging tool to log the Marcellus, does that result in an

That's correct.

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Q Is there any risk in having to do additional runs down the hole?

A There's always a risk when you stick, you know, logging tools in a hole that the hole might collapse or if you get the tool hung up. So, there is actually a risk.

Q All right. Mr. Rothman, I am going to show you what has been marked as Chesapeake Exhibit Number 10. Is that an exhibit that you prepared in preparation for this hearing today?

A Yes. it is.

Q Could you please describe what this exhibit demonstrates?

It is similar to Exhibit Number 8 where it shows the area that we're requesting special field rules for. Our proposed 2007 locations, again, are shown in the rose colored triangles and all the wells that have been drilled in the area, plus I contoured the Onondaga to the top of the Oriskany sandstone and that's where the contours are.

Q And does this map then show the thickness of the Onondaga in the area where Chesapeake had requested special field rules?

1 Yes, it does. 2 And what is the range of thickness in 3 this area? 4 Α The thickness ranges from less than 110 feet to greater than 180 feet. 5 If Chesapeake is allowed to drill 75 feet 6 below the Marcellus in this area, would that remain in the 7 8 Onondaga formation? 9 Yes. it would. 10 And do you know whether or not the 11 Onondaga formation in this area is capable of commercial 12 production? 13 We do not have any Onondaga production on any of our acreage and I could not find any Onondaga or 14 15 Oriskany production anywhere in that area. 16 If Chesapeake's request for special field 0 rules is granted, does Chesapeake have any intention to 17 drill or - excuse me, not drill - complete, perforate and 18 stimulate any portion of the Onondaga? 19 20 Α No. we do not. 21 MR. MOFFATT: I don't have any further questions for Mr. Rothman and I would offer into evidence Exhibits 8 22 23 through 10.

1	COMMISSIONER LAY: We'll accept Exhibits 8, 9
2	and 10.
3	DEPOSITION EXHIBIT NOS. 8-10 FOR IDENTIFICATION
4	Said documents were admitted into the record
5	COMMISSIONER LAY: Any cross?
6	MR. GOTTLIEB: I just have a question or two to
7	clarify as to what I understand the scope of the project
8	is.
9	EXAMINATION
10	BY MR. GOTTLIEB:
11	Q Mr. Rothman, I know you're a highly
12	regarded poet and I was going to ask you to do some
13	mathematical calculations. I wasn't sure whether that was
14	within your expertise or not, but this helps a little bit.
15	As I understand, this is Exhibit 9?
16	MR. MOFFATT: Exhibit Number 10.
17	MR. GOTTLIEB: Ten.
18	BY MR. GOTTLIEB (Resuming):
19	Q It reflects Chesapeake's proposed
20	drilling sites for the upcoming year if the Commission
21	grants the request?
22	A These are wells that are presently in our
23	database that are listed as 2007 wells in the system. Some

may drop out and some may be added. 1 2 Okay. I understand that's subject to the 3 topography and different --4 Α Right. 5 -- other considerations, but I believe 6 you also mentioned that Chesapeake plans on drilling an additional 1,100 wells within this acreage? 7 What I said was, we have 1.700 additional 8 Α locations identified that we could drill. 9 And when you say "you could drill," that 10 means that Chesapeake believes there might be some 11 12 commercially recoverable gas in those locations? 13 Right, and also we have the spacing to do 14 that. 15 My overriding question is, assuming that 0 Chesapeake obtains these special field rules in the spacing 16 17 that it has requested and it drills the additional 1.700 18 wells, is there anyway to calculate how much of this entire 19 acreage is going to be encompassed in Chesapeake's drilling of these wells with the surrounding 1,000 foot spacing? 20 21 I would say the majority of them would be 22 developed. 23 Q Can you be anymore specific than the

majority, as you sit here today?

A You know, these wells are going to be based on economics. So, you know, we might get into an area where we have locations planned and it doesn't work out and we don't further develop the area.

So, I mean, this is just a very big part of our drilling area for West Virginia and we plan to do a lot of drilling in the next few years.

Q I understand. I was just, on behalf of the entities, that the 25 percent, if you will, of gas producers that have interests encompassing this acreage.

As we sit here today, we don't know whether your proposal - Chesapeake's proposal - is going to, in effect, space out any of these other entities' ability to come in and drill wells, do we?

A No.

MR. GOTTLIEB: Thank you.

COMMISSIONER LAY: Other cross?

MR. PRESERVATI: One quick question.

EXAMINATION

BY MR. PRESERVATI:

Q Mr. Rothman, you said earlier that you do not anticipate completing any wells in the Onondaga.

1	What's your definition of complete?
2	A To perforate and stimulate the Onondaga
3	limestone.
4	Q And just to be clear, stimulate it for
5	what purpose?
6	A For production, to enhance production.
7	Q And can you just briefly describe for me
8	all of the activity that is anticipated to occur in the
9	Onondaga is simply to log the Marcellus; is that correct?
10	A That's correct. From my part, it's,
11	basically, to give us enough room to correctly pick the top
12	and also to give us enough room to get logging tools
13	through.
14	Q Okay. And if the special rules weren't
15	granted and you weren't allowed to go down to 75 feet and
16	you were only allowed to go down to 20 feet, you would
17	still be able to drill the wells; you just wouldn't be able
18	to have all of the logging information that you would
19	otherwise have?
20	A That's correct.
21	MR. PRESERVATI: Thank you. No further
22	questions.
23	COMMISSIONER LAY: Mr. McMahon?

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1 EXAMINATION BY MR. MCMAHON: 3 When you said spaced out, if these are considered deep wells, that would be subject to the 4 adjoining owner's right to, of course, pool some of the 6 resources. Would that be also correct? Α (No response.) You don't know the answer to that? 8 Yeah, I really don't know the answer to 10 that one COMMISSIONER LAY: Other questions? Questions 11 12 from the Commission? 13 EXAMINATION 14 BY COMMISSIONER MARTIN: 15 0 Mr. Rothman, you made a comment about how you arrived at this boundary, and I think it was something 16 17 to the effect that it's an area you anticipate being active 18 in the future. Can you elaborate on that anymore in terms 19 of the geology behind that, picking that actual boundary? 20 It's been a very productive area for Chesapeake and its predecessor companies. We have a number 21

of wells, producing wells, in the area right now. We do

have space to drill additional wells, and we get good

production. Besides the Marcellus and the rest of the Devonian shale, there is other reservoirs that we complete in the area, Barrea, Engine, Big Lime.

So, it's just a very good area for our company and we do have room for a future with all of them.

Q How many wells would you -- I mean, how many wells do you think exist -- how many wells have been drilled in that red outline, would you guess? Or if you don't feel comfortable, that's fine.

A I really don't have an exact number. Maybe somebody else that is going to testify can answer that.

Q Would you know, approximately, how many wells in that red block are below the top of the Onondaga -- have been drilled below the top of the Onondaga?

A Yeah, if you look on the map - and there's a little legend down there at the bottom - I indicate a green box that is a data point to use to get the Onondaga. And in this whole map there's only 25 data points that went through the Onondaga and into what I identified as the Oriskany.

Now, I couldn't tell you how many wells would have just penetrated the Onondaga, but I can tell you

how many wells that I looked at that generated this path. 1 2 So, the 25 wells would have actually been drilled through the entire Onondaga section? 3 4 Α That's correct. So, your isopach map in this case is 5 based only on those 25 wells? 6 That's correct. 7 You said you didn't know how many wells 8 0 perhaps had been drilled into the Onondaga, if I heard you 10 right? 11 Correct. Α 12 So, you wouldn't know how many of those 0 13 wells would be operated or drilled by someone other than 14 Chesapeake or Chesapeake's --No, I don't have any knowledge of that. 15 How about the 25 wells? How many of 16 17 those are Chesapeake's wells? Would you know that? 18 Probably about 10 of them. Some of them are old deep wells. This is in the area into the Rhome 19 trough (phonetic) that we drilled or participated with some 20 21 companies to drill some deep test wells in here, into the 22 Rhome trough. 23 You asked for 75 feet in your request and

1	at this point what we've heard is that that's based, I
2	guess, strictly on the logging tool configuration?
3	A Correct.
4	Q Is there any magic in that number, 75
5	feet? I heard Allegheny's tools are 69 feet, I think. Is
6	that just kind of a round number?
7	A No, the exact length of Allegheny is
8	33.72. The exact length of Slumber-Jay is 65.8. So, it's
9	based mainly on the Slumber-Jay tool.
10	Q Okay. 65?
11	A Yes, 65 or 67.
12	Q I don't know if you're the person to ask
13	this question, but would you know, approximately, what the
14	drainage acreage is for these type of wells?
15	A Yeah, I think one of our other witnesses
16	can better answer that.
17	COMMISSIONER MARTIN: Thank you.
18	COMMISSIONER LAY: Robert?
19	EXAMINATION
20	BY COMMISSIONER RADABAUGH:
21	Q I guess it would be safe to assume
22	I'll get back on geology a little bit. One question that
23	or the point I think he was getting at but didn't get

1	totally to it. If you drilled to the bottom of the		
2	Marcellus into the Onondaga and you just do your 20 feet,		
3	or less than 20 feet, and you can't get your logging tool		
4	clear down below the Marcellus, then really it didn't do		
5	you any good to drill the Marcellus, to the bottom of it,		
6	because you're stabbing in the dark; correct?		
7	A You know, it just doesn't allow you to		
8	log and evaluate it.		
9	Q Right. That's what I'm getting at. I		
10	mean, you're stabbing in the dark?		
11	A Right.		
12	Q You can't adequately log it.		
13	A Correct.		
14	MR. RADABAUGH: That's it.		
15	COMMISSIONER LAY: I just have a couple of		
16	questions.		
17	EXAMINATION		
18	BY COMMISSIONER LAY:		
19	Q You stated that you had potentially 1,700		
20	locations, additional locations, after this year's project?		
21	A Correct.		
22	Q What spacing where those wells determined		
23	upon?		

1	A Those spacings were based on, I believe,
2	1,500 feet.
3	Q 1,500 feet? And those were selected by
4	you?
5	A I selected some of them. We did a study
6	a number of years ago to determine remaining locations that
7	we thought would make economic wells and I was one of the
8	people involved in that, and I did work some in this area,
9	but I did not do all the work.
10	Q Okay. I think you mentioned in your
11	testimony that you weren't aware of any Oriskany or any
12	Onondaga wells that were productive in this area. Is that
13	what you said?
14	A Yeah, I couldn't find any and I used a
15	couple of sources. The gas atlas that was done GRI, I used
16	that, and I also used the Oriskany report that was done by
17	Dudley Cardwell in the '70s, just to find something in
18	there and I couldn't find anything.
19	And then we did an in-house search of
20	this area and we did not find any production in either the
21	Onondaga or Oriskany that we had.
22	Q Okay. Your Exhibit 10, that represents
23	an isopach, you say, of the Onondaga?

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1	A The Onondaga to the top of the Oriskany.
2	The top of the Onondaga to the top of the Oriskany. So,
3	it's the entire gross Onondaga.
4	Q Now, when you're saying Onondaga
5	interval, does that include the Huntersville or is this
6	purely all Onondaga?
7	A It would include the Huntersville, yes.
8	Q Do you know, specifically, the average
9	thickness of the Onondaga itself and the average thickness
10	of the Huntersville within these areas?
11	A No. I know from looking at some mud logs
12	from this area that there is, sure, within what I call the
13	Onondaga interval. Now, as far as I know, there's no
14	Huntersville production in this area, either. But there is
15	certainly present in the Onondaga and Oriskany.
16	Q In your background, did you look at any
17	of the inherent structure over the area? I mean, are you
18	in an area that is highly fractured? Are we potentially
19	looking at any fracturing within the within the area
20	that you've encompassed here?
21	A I think I mentioned earlier that this

r that this area, you know, the Rhome trough goes through, which is a basement feature, and it's formed by, you know, multiple

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1	faults and there has been movement through time of these
2	faults. Everything that I looked at, you know, I could not
3	find any of these 25 wells that I looked at in the
4	Onondaga interval, you know, I could not find what I would
5	call productive zone.
6	Q Even with what you broached as
7	reactivation, you still haven't seen anything that led you
8	to believe there was any productive intervals?
9	A You know, one well that I did have a mud
.0	log on had some small shows in there, but, you know, it was
.1	not completed.
.2	Q It wasn't complete, but it was so,
.3	therefore, it was not determined whether or not it was
_4	productive, you know, commercially productive?
.5	A Correct.
16	Q Do you know who the operator of that
L7	particular well was?
L8	A Yeah, it was one of the Exxon deep wells
<u> 1</u> 9	that Columbia Transmission participated in.
20	Q And has it subsequently been plugged and
21	abandoned, are you aware?
22	A Yes.

Okay. Any of the existing wells that

1	you've identified here that are in the green, I think you		
2	said that you believe that approximately 10 belong to		
3	Chesapeake?		
4	A Yeah, that's just a guess. Yeah. We		
5	have been active, you know, through time and doing some		
6	deep walls on these Rhome trough type structures. I would		
7	say 10 is a good number.		
8	Q Of those, or of this group of wells, how		
9	many are still currently producing or active wells? Do you		
10	know?		
11	A Well, the wells that cluster up in Wayne		
12	County, is a big six field. So, those are still		
13	producing, but they don't produce out of the Onondaga.		
14	Q Okay.		
15	A Most of the ones elsewhere have been		
16	plugged.		
17	Q Have been plugged?		
18	A Plugged or, let's say, plugged in the		
19	deeper formations with that possibly producing shallower		
20	formations.		
21	Q So, they've potentially recompleted some		
22	of these wells, if not all of them. Is that what you're		
23	saying?		

1 Some of them, yes. 2 One of my concerns with this area in 3 Wayne County, those being big six productions which are on 4 the boundary or very close to the boundary of your 5 potential development, those are typically sour producing 6 gas wells. Are you aware of any others in the areas that might have contaminated the shallow earth formations in the 7 8 Oriskany or Onondaga that might lead to H2S production in 9 these areas? 10 I can't specifically point out which 11 well. You know, it is a possibility of encountering H2S 12 gas when you penetrate the Onondaga. 13 And from your isopach, the Oriskany. 14 let's call it -- the shale on which you penetrate the Oriskany would be somewhere around 100 to 110 feet? 15 16 Correct. 17 Okay. And those areas are identified in the central part of contact between Wayne and Lincoln 18 19 counties? 20 Correct. 21 COMMISSIONER LAY: Okay. That's all the 22 questions I have. Anybody else? 23 MR. MOFFATT: I've got one follow-up guestion.

if I may.

COMMISSIONER LAY: Okay.

 $$\operatorname{MR}.$$ MOFFATT: I think it follows up to what Mr. Martin was asking.

EXAMINATION

BY MR. MOFFATT (Resuming):

Q Mr. Rothman, if you look at the Marcellus shale formation in the area requested for special field rules, is it fair to say that you could treat that area as a single gas field from a geological standpoint?

A Yes. The Marcellus is very similar in this area as far as the composition in mineralology. The thickness that we've seen so far goes from about slightly less than 20 feet in the southwest portion to about 35 feet in the north. The rocks are very similar.

MR. MOFFATT: Thank you. I don't have any further questions.

COMMISSIONER LAY: You can call your next witness.

BY MR. MOFFATT: The next witness is Rob Schindler.

COMMISSIONER LAY: Will the court reporter please swear the witness?

(Witness sworn.) 1 2 THEREUPON came. 3 ROB SCHINDLER appearing as a witness herein, having been duly sworn to .4 tell the truth, testified as follows: 5 EXAMINATION 6 BY MR. MOFFATT: 7 Mr. Schindler, would you please state 8 0 9 your name for the record? 10 Α Rob Schindler. And by whom are you employed? 11 0 12 Chesapeake Appalachia, LLC. Α And what is your position at Chesapeake? 13 0 14 Senior drilling engineer. 15 And please describe for the Commission 0 some of your job duties and responsibilities as a senior 16 17 drilling engineer. I'm responsible for drilling and 18 completing wells in our southeast district. 19 20 In that capacity, you have experience 21 with wells drilled to the Marcellus formation? 22 Α Yes. I do. 23 Q And you heard today that if the Marcellus

well -- if a Marcellus well is drilled as a shallow well, there is a limitation of being able to only drill about 20 feet into the Onondaga. As a drilling engineer from an operational standpoint, does that create any problems for you?

A Yes, it does.

Q Could you please describe for the Commission some of the problems you face because of the drilling limitation?

A Yes. I'll just reiterate a couple of things, but I want to go in chronology order. So, starting with what Ed touched on, that it is difficult to drill, you know, exactly 20 feet or something just less than that so we can get as much space as we can, and Ed talked about the logging issues.

I know that Barry made a comment earlier that it is possible. Yes, it is possible to drill these wells. Obviously, we, along with other operators have been doing that. It does create some difficulties, and then getting on -- once we're done logging, it's difficult to set that pipe precisely where you need it. Obviously, it has to be in that 20 foot interval somewhere to be able to perforate the Marcellus.

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You've got a couple of different measurements. One is a driller's TD. One is a logger's TD. Typically, there's some discrepancy between those two and then when you're going into major casing, which one am I going to set the pipe line.

So, what we have to do is tag bottom with the casing, the production casing, to ensure that we are at bottom with that casing.

That creates the problem of 1): you might plug the end of that casing, creating a cementing problem, and you also have to spend the extra time and money to space out with pop joints at the surface to be able to set that pipe exactly where you want it in that 20 foot interval below the base of the Marcellus.

Then next becomes the cementing issue. Like I said, since there's a possibility of plugging the bottom of the casing when you tag bottom, what we do is we perforate, run a short coupling on bottom and perforate that to elleve the potential plugging issue. If you did plug, obviously, that leaves your pipe full of cement.

So, we perforate that joint and what that's doing is causing a problem with the cement bond around the bottom of the casing.

It will be preferential to leave a longer and solid joint below that so that if there's any bypassing of either displacement water passing the plug or some air that entered the system while you're washing up for your change from cement to water, then that 40 foot solid joint below where the rubber plug lands allow for some space for that contaminated cement to be instead of it actually turning the corner, when it's going to turn the corner right below that plug in the slotted joint the way we're currently having to operate on these Marcellus wells.

And then after the cementing, the same problems that Ed has, although it's not as large of an issue, but getting that bond log right on the bottom and then being able to swab that water off 100 percent, because you're talking about perforating within a few feet of bottom. If you leave any water, or oftentimes it's going to be a little bit of what we call a little bit of gray water. It just follows the cement down through to four to five thousand feet.

Whereas if we had just a little bit of extra space for that fluid to fall down into, it's a lot cleaner. And then when you get to the production of the well, if you're going to run, you leave it some distance up

1	above the bottom of the hole, because as basic cement fine
2	sands are inherent, and then it will fill up the process
3	perforation and the gas would still be able to
4	Q the entire Marcellus formation or
5	zone, you are going to leave recoverable reserves in place?
6	A Potentially.
7	Q If Chesapeake had the ability to drill 75
8	feet into the Onondaga, would that alleviate the problems
9	you just described?
10	A Yes, it would.
11	Q Typically, with a deep well, there's a
12	requirement that you prepare and file a site and safety
13	plan. Are you familiar with that requirement?
14	A Yes, I am.
15	Q And as a part of this request for special
16	field rules, Chesapeake is asking that the Commission waive
17	that requirement; is that correct?
18	A That's correct.
19	Q And what's the basis for that request;
20	that they waive the requirement for site and safety plan?
21	A Well, as Mr. Rothman stated, we're asking
22	for an extra 55 feet that's penetrating an unproductive
23	Onondaga leaving the only question or concern of safety

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being H2S, which has been raised by Mr. Lay, and we are aware of that, and it would be our intention in all of these wells to have H2S monitoring equipment on location when we penetrate in the Onondaga. And by doing that, it would appear to alleviate any questions or concerns that would be addressed in a site seeing plan.

MR. MOFFATT: I have no more questions for Mr. Schindler.

COMMISSIONER LAY: Cross from anyone? (No response.)

COMMISSIONER LAY: I don't believe I have, either. You addressed the safety issue I was concerned about. Call your next witness.

MR. MOFFATT: The next witness is Jeff Cable.

(Witness sworn.)

THEREUPON came,

JEFF CABLE

appearing as a witness herein, having been duly sworn to tell the truth, testified as follows:

EXAMINATION

BY MR. MOFFATT:

Q Mr. Cable, would you please state your name for the record?

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1		Α	Jeff Cable.
2		Q	And by whom are you employed?
3		А	Chesapeake Appalachia.
4		Q	In what capacity?
5		Α	Senior reservoir engineer.
6		Q	As a senior reservoir engineer, what are
7	your job duties?		
8		Α	Perform reserve analysis and evaluation
9	for wells in the southeastern district.		
10		Q ,	Does that include the area encompassed by
11	Chesapeake's request here today?		
12		Α	Yes, it does.
13		Q	Are you familiar with the request made by
14	Chesapeake	for spe	ecial field rules?
15		А	Yes.
16		Q	And do you have experience with wells
17	drilled to	the Ma	rcellus formation?
18		Α	Yes, I do.
19		Q	Is it correct to say that this is a
20	relatively	new pl	ay?
21		Α	It's a new play for Chespeake. We've
22	drilled so	far 75	wells in this area and completed the
23	Marcellus.		
	1.1		

1	Q What is Chesapeake's current spacing
2	practice with regard to these Marcellus formation wells?
3	A Currently, we're drilling on 1,500 foot
4	spacing, which is about 40 acre spacing. So far from these
5	75 wells drilled to date, we don't have any evidence of
6	interference between the wells.
7	Q Now, since this is considered or since
8	a Marcellus formation well which is drilled 75 feet into
9	the Onondaga is considered a deep well, it would be subject
10	to the deep well spacing requirements, which are 3,000 feet
11	between wells and then 400 feet off the lease unit, the
12	leaser unit boundary line.
13	In your opinion, would it be prudent to
14	develop Marcellus formation wells based upon that spacing?
15	A No, it would not.
16	Q For purposes of Chesapeake's request for
17	special field rules, you're asking the Commission for
18	spacing of 1,000 feet between wells and 50 feet on lease of
19	inner-boundary line. What's the basis for that request?
20	A It would allow us flexibility for
21	topography issues, coal owner/surface owner issues, and
22	also we have a lot of existing wells in the area that we
23	would be drilling deeper potentially drilling deeper to

the Marcellus.

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Q As you drill more Marcellus wells, is it possible -- will you obtain new information which may lead you to space these wells closer than 1,500 feet?

A Potentially.

MR. MOFFATT: I have no further questions for Mr. Cable.

COMMISSIONER LAY: Any cross?

COMMISSIONER RADABAUGH: I've got a question.

I'm a little confused here.

EXAMINATION

BY COMMISSIONER RADABAUGH:

Q On the request, you request spacing to be a 1,000 feet, or a variance of 1,000 feet. Earlier, we had talked about when some studies had been done a few years ago, you had done your estimates on 1,500 foot spacing, when you came up with 1,700 potential well sites in the future. Has Chesapeake's view of the spacing that they need changed for some reason between the 1,500 feet that you was working off of a few years ago and 1,000 feet now that you're looking at?

A Well, the 1,500 is our current practice and while we try to maintain that, we can't always get

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1	1,500 feet on all sides. So, we picked 1,000 feet as a		
2	number. We didn't know if it would be 14, 13, 1,200 feet.		
3	So, we picked 1,000 feet to accommodate that flexibility.		
4	And, also, these existing wells that wil		
5	be drilled deeper, some of them are within 1,500 foot		
6	spacing.		
7	Q Okay. So, basically, what you're asking		
8	for is to have a minimum of 1,000 feet, but it doesn't mear		
9	that all of your wells are going to be on a 1,000 foot		
10	spacing?		
11	A That's correct.		
12	COMMISSIONER RADABAUGH: Okay.		
13	COMMISSIONER LAY: Other crosses?		
14	EXAMINATION		
15	BY MR. TAWNEY:		
16	Q I was kind of wondering where you got		
17	that 1,000. You just kind of picked a number for the		
18	1,000?		
19	A It's arbitrary. We don't plan right now		
20	on going down to 1,000 foot spacing, but there could be		
21	occasions where we could get crowded on one side. If I		
22	picked 1,500, then we would have to come in and get a		

spacing exception if it was closer to 1,500.

1.500 feet.

MR. TAWNEY: I'm following your reasoning. 1 2 MR. PRESERVATI: I've got a couple of questions, 3 if I can. 4 EXAMINATION 5 BY MR. PRESERVATI: 6 Earlier you said it wasn't prudent to space these wells out at 3,000 feet. So, what do you mean 7 by it's not prudent? 8 We would be leaving recoverable reserves 10 in place if we spaced them at 3,000 feet. And what about at 2,000 feet? Would you 11 be able to recover some of that reserve you wouldn't be 12 able to at the 3,000 foot spacing? 13 14 It's possible, but I believe that we would still, at 2,000 feet, we could still be leaving 15 16 reserves behind. 17 And is that based on reserve study? What's that based upon? 18 19 Basically, what we've seen so far in completing these wells, you know, we're on 1,500 foot 20 21 spacing. We have not seen any communication between wells 22 suggesting that the drainage area would be greater than

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1	Q [Do you have any of those log reports or
2	anything like that	here today showing that?
3	A N	No, I do not.
4	Q A	And so I understand, you said that you
5	wanted the flexibil	ity of 1,000 feet spacing to address
6	potential issues, p	ootential coal issues, topography issues;
7	is that correct?	
8	Α -	That's correct.
9	Q S	So, the request for 1,000 feet is to
10	address potential i	ssues down the road?
11	Α -	That's correct.
12	Q :	It's not a specific well-by-well basis of
13	addressing issues t	chat exist today in regards to coal owner
14	topography issue?	
15	A 1	Not today, no.
16	Q ,	As we sit here today, do you have any
17	documentation or ar	ny reports to show you couldn't
18	effectively produce	the Marcellus at 2,000 foot spacing?
19	Α :	I do not have documentation, no.
20	D 0	Do you have documentation elsewhere, not
21	here with you, but	elsewhere, that would show that to be
22	the case?	
23	Α -	There's no specific reservoir study

1 2 3 drainage area would be draining 1,500 feet. 4 6 7 8 10 11 12 13 14 to stay 1,500 feet, typically. 15 16 only question I had. 17 18 19 (Break taken.) 20 21 lawyer representing --22

that's been done, but based on what we have done to date. as far as completion, we have not seen evidence where the MR. PRESERVATI: No other questions. Thank you. COMMISSIONER LAY: Anyone else? The only question I really have, I just want to make note that your current policy is 1,500 foot spacing on center. Is that from the existing wells that are already there in shallow formations or is that what you use between what you are considering here on the Onondaga or Marcellus test zone? THE WITNESS: It's two existing wells, but in certain instances, we will go closer than 1,500 if it's -if we're close to a well that's completed in shallower formation, Barrera and Engine Line. But the shales, we try COMMISSIONER LAY: Okay. I think that was the MR. MOFFATT: That's our last witness. Okay. COMMISSIONER LAY: Who would like to be first? MR. MCMAHON: My name is David McMahon. I'm a

MR. TAWNEY: Your Honor, before we proceed with

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David's statement, earlier he indicated that he represented simply landowners or surface owners. I'd like to get on the record precisely who he's representing today.

MR. MCMAHON: Well, I'm employed 30 percent of the time by an organization called Mountain State Justice, which I generally do represent surface owners. I've written books, et cetera. He raised a question today and I'll confess that I did not get specific authorization. I have general authorization to do that rather than specific authorization for this. So, I will appear now representing just myself, as a member of the public, but as a lawyer, who by profession represents low income surface owners.

COMMISSIONER LAY: Very good.

MR. TAWNEY: Thank you.

MR. MOFFATT: I have one question. Do you own surface property within the area encompassed by Chesapeake's request for special field rules?

MR. MCMAHON: Are you talking Loudon Dale? I live in Loudon Dale. I own property in Loudon Dale, which is a subdivision of and a magistrate district of Kanawha County.

MR. TAWNEY: Okay. For the record, I don't believe that that area is included within the area

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requested for special field rules.

COMMISSIONER LAY: Your comments are noted. Mr. McMahon, if you would like to proceed with your --

MR. MCMAHON: I'm David McMahon. I'm a lawyer. By profession, I'm the lawyer for low income people and have written a book on surface owner's rights and I know the area.

I appear in support of the general proposition for special field rules in this matter. I do not have particular evidence regarding what the spacing should be, but I appear because the presumption behind the spacing is that these wells in the Marcellus formation will be declared -- are deep wells and will be treated by this Commission to be deep wells, which I think they should be. That will allow force pooling unitization which would limit the number of wells drilled on surface owners. Full unitization is good for everyone, but the people that get paid by the well, I've always thought fewer wells on surface owners. The mineral owners will have fewer costs in getting the minerals out because of fewer wells. reservoir pressure will not be wasted in getting out gas from more wells than are necessary. Environmentally. there's less risk with less wells.

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

Date: 4/2/07

NOTICE OF PREHEARING CONFERENCE

Please be advised that Chesapeake Appalachia, L.L.C. ("Chesapeake") has made application to the Oil and Gas Conservation Commission ("Commission") for the establishment of Special Field Rules covering lands located in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne counties, West Virginia. The affected lands are shown on the attached map.

Chesapeake's request for Special Field Rules relates to oil and gas wells drilled to the Marcellus Shale formation which penetrate into the Onondaga Group. The Marcellus Shale sits directly above the Onondaga Group. In West Virginia, pursuant to West Virginia Code 822C-9-2(12), a deep well is defined as any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the Onondaga Group. The definition of a shallow well pursuant to West Virginia Code 822C-9-2(11) is any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" round the top of the uppermost member of the "Onondaga Group" round to West Virginia Code 822C-9-2(11) is any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" round to well of the w

completion operations, but in no event may the "Onondaga Group" formation be otherwise produced, perforated or stimulated in any manner.

By virtue of the twenty (20) foot drilling limitation in the Onondaga Group, Chesapeake is not able to completely evaluate, treat and stimulate the entire section of the Marcellus Shale. Accordingly, in the area shown on the attached map, Chesapeake wishes to drill wells to a total depth not to exceed seventy-five (75) feet into the Onondaga Group. Chesapeake has no intention to produce, perforate or stimulate the Onondaga Group in any manner. The purpose for drilling seventy-five (75) feet into the Onondaga Group is to allow sufficient rat-hole for logging and completion of the Marcellus Shale. Although the Marcellus is a shallow formation, Chesapeake is required to apply for a deep well permit by virtue of the above definitions. In order to avoid leaving natural gas reserves in place, it is not prudent to develop the Marcellus Shale fields utilizing the required deep well spacing of 3000 feet between wells and 400 feet from the lease line or unit boundary. Therefore, Chesapeake is requesting Special Field Rules establishing 1000 foot spacing between wells, and providing that each well be located not less than fifty (50) feet from the lease line or unit boundary. The Special Field Rules would apply to those wells drilled by Chesapeake to a other deep well permits for Marcellus Shale formation wells in the drilled area from the Commission. In addition, with regard to deep well permits for Marcellus Shale formation wells in the affected area (Chesapeake would appere not to produce, perforate, frac, or otherwise stimulate the Onondaga Group, unless and until it obtained a further Order from the Commission. In addition, with regard to deep well permits for Marcellus Shale formation wells in the affected area (Chesapeake would appear and submit a well safety plan for each such deep well.

A pre-hearing conference relating to Chesapeake's request for Special Field Rules has been scheduled for the following date and time:

May 17, 2007
Time:
9:00 a.m.
Where:
West Virginia Oil and Gas Conservation Commission
601 57th Street SE
Charleston, WV 25304

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Chesapeake has made a diligent effort to determine the operators of any lands that may be directly or immediately affected by this proposal. Any opponent to the application for Special Field Rules must file written notice to the Commission within ton (10) days of the date of this pre-hearing notice or the perhearing conference will not be held. This pre-hearing notice is hereby made and directly or immediately affected by this proposal.

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1" = 6.00 mi

In addition. I should have mentioned 2

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earlier at the pre-con that, of course, there is also a surface owners' right to consent on certain, though not

many, of the deep wells.

I support the Commission's definition of interpretation of the rules that these are deep wells. I think there's a good public policy to have pooling unitization for as many wells as possible. From my knowledge of the history, the only distinction between deep wells and shallow wells for this purpose was a political compromise over whether pooling unitization shall reach the shallow wells, to wells that are drilled to shallower formations.

I appreciate the Commission hearing my comments.

COMMISSIONER LAY: Thank you.

MR. GOTTLIEB: I'm Richard Gottlieb here on behalf of Penn Virginia Oil and Gas. Mr. Chairman, we submitted comments dated May 4th, 2007 that reflected Penn Virginia's position which is that it supports Chesapeake's need to drill down the 75 foot for purposes of fully developing this Marcellus shale formation.

Penn Virginia challenges and the only

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thing it challenges here is this Commission's ability to grant the spacing request that Chesapeake has made here today. That objection is based on two things.

One is the statute itself, as explained in the letter, that we believe that the clear intent of the Legislature is to not have these type of special peer rules for spacing in this rather large area permitted by this Commission or the Shallow Gas Well Commission or anyone, that this simply needs to be special field rules pertaining to the more shallow shale is not permitted under the state.

And I will not belabor the discussion we had earlier about the rules of statutory construction and why we believe our interpretation is correct and this Commission's prior interpretation is incorrect.

The other observation I would make is that Mr. Rothman discussed the 1,800 potential wells in this area. I believe that there is a concern with entities, such as Penn Virginia, or Equitable Production, or anyone else, that when the Commission operates in this fashion, it's certainly not clear from the face of the application what effect it might have on the ability of other producers that have existing rights to develop shallow gas wells in the affected acreage.

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And notwithstanding Mr. McMahon's personal plea in favor of spacing, pooling, and a lot of that's in the interest of surface owners, the fact is our Supreme Court has recognized that producers with valid leases also have rights.

The law of capture as reflected in the Supreme Court case that I cited in my letter recognizes that with respect to shallow formations, the law of capture still applies. I don't believe the Legislature intended to do away with that law of capture; in fact, to the contrary. I think it's made very clear what the Legislature's intent was that with respect to shale formation, that would not have the special fields and the regulations were written in accordance with that legislative intent.

In summary, we oppose for both legal reasons. And it's certainly not clear that pooling, forced pooling or otherwise will truly protect the other producer's rights in these respected fields to the extent that they want to go in and drill other wells within this acreage. I don't believe that this Commission should limit the rights of these other producers if it doesn't have the clear statutory authority to do so. Thank you.

COMMISSIONER LAY: Next.

MR. PRESERVATI: I'll go ahead and start. Thank you, Mr. Chairman. I'm Nick Preservati on behalf of Pocahontas Land Corporation and Argas Energy, both of which are coal owners and operators within the area affected within the application by Chesapeake. I'll reiterate several of the objections made in our correspondence to the Board yesterday. One being, echoing Mr. Gottlieb's comments, that we believe this Board, this Commission, is actually without jurisdiction to hear this application.

I believe the Commission is limited to only addressing issues related to deep wells, not shallow wells. Our position is, in order to be a deep well, it must be drilled and completed in the Onondaga. The wells subject to this application are not and that was stated, simply on the face of the application by Chesapeake, that they would not be going into and completing in the Onondaga.

For that reason, we believe that the Commission is without jurisdiction to hear this. It should deny the application and it should be taking up spacing issues with the Shallow Gas Well Review Board.

That leads to my second objection based

upon due process. If the coal operators and coal owners are being denied their ability to object on spacing requirements, for what is, in essence, shallow wells, under the shallow gas well statute, 22C-8-A, we have the ability to object to any well within 2,000 feet of another well and the operator has to show need for that specific well to go under the 2,000 foot limitation.

That provision also prohibits any wells under 1,500 feet spacing of another well. We believe that these are shallow wells and those provisions should be applied to the special field rules in this case.

we're not talking about one well and one spacing application here on a case-by-case basis. They're asking this Board to deny or grant spacing approximately 1,000 feet for 1,800 wells. That's a significant impact on coal operations within this area of my clients, basically by allowing them to go under the 2,000 feet and 1,500 feet, stripping the coal owners and operators of their ability to protect their reserves and ensure that there's adequate spacing to allow them to access their resources.

Therefore, again, we're asking that the requirements of 22C-8-8A be incorporated by this Commission in the application, or in the order granting special field

rules, that the Commission does grant the application.

Again, just for the record, we will also object on the issue of the notice, the denial of due process by trying to change distance limitations of the shallow wells through this proceeding and again denying the coal operators and owners of specific individual access by certified mail to which they are entitled as a matter of law under the shallow gas well regulatory framework.

They have not had the opportunity to have the application and to review it in opportunity to protect their rights as would be required under the shallow gas well statutes.

We also object to any other operators trying to piggyback onto this request due to subsequent procedure of due process of lack of notice. The notice provided by Chesapeake was limited specifically to Chesapeake, no other operators did appropriate notice with the legal advertisements, et cetera. People reviewing those notices in the paper would see it limited to Chesapeake. When you're considering lease lines, et cetera, within that area, other coal operators or owners might look at that and say "Chesapeake's not on us. We're not affected by this. They don't have a lease on us. It's

not an issue." The scope of it increases significantly when you add other operators and special field rules. So, we object on that ground as well.

And lastly, we request that the Board require a placement of H2S monitors as part of the special field rule. Thank you.

COMMISSIONER LAY: Next.

MR. SULLIVAN: Ben Sullivan, on behalf of Equitable Production Company. Just wanted to state that we don't have any specific objections to Chesapeake's application here today, although we do feel that there was no due process to Equitable or any other producers in the area that our wells, be they shallow or deep, will be affected. The notice states on its face that only Chesapeake's wells are going to be affected by these special field rules.

I do understand that the special field rule regulations enacted do specifically -- not specifically, but typically address certain fields rather than only certain producers in those fields.

In light of the special field rule that it was very similar to this application of Chesapeake's that was granted to Eastern American, which only did apply

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to Eastern American - it did not apply to any other wells or any other producers in that field - we would object to our wells or our drilling plans being impacted in any way whatsoever by this special field or application for due process notification reasons. That's really all I have to say to that.

MR. KEIM: Jeffrey Keim, Cabot Oil and Gas. Cabot has no objection to Chesapeake's request for special field rules. If the Board so finds to have the order granting special field rules to Chesapeake, whether in whole or in part, in contrary to its previous written request, we wish that these rules not apply to our leases.

COMMISSIONER LAY: Other?

MR. HELDMAN: Roger Heldman with East Resources. Mr. Rothman's and Mr. Schindler's testimony we've seen exactly the same problems. We drilled one Marcellus ourselves and that's the exact same problems. We agree with them and I think we would ask that it would apply to other operating wells. That's probably the path that we would take to try to develop --

COMMISSIONER MARTIN: Let me back up to Cabot. At the end of your statement, did you say that you wanted this to apply to other operators or did not want this to

apply to operators?

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do not.

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MR. KEIM: We do not want it to apply to Cabot,

COMMISSIONER MARTIN: You do not want it to apply to Cabot. Okay. Thank you.

COMMISSIONER LAY: Other? Mr. Tawney.

MR. TAWNEY: Your Honor, my name is Kenneth Tawney here on behalf of Petro Edge Group, Petro Edge Resources, WV, LLC, North Star Energy Corporation, and Trans Energy Corporation.

Petro Ed has filed and North Star and Trans Energy are now joining in the initial protest that was filed in writing. I won't try to reiterate everything that's written there, but simply note that we also object to the Commission's interpretation of whether this is a deep well or a shallow well, and we believe that they are more appropriately considered to be shallow wells.

Beyond that, reserving that legal argument, we would support Chesapeake's request for special field rules to be applied to this area. We agree with all of the evidence that's come in today that outlines the reasons for why it is necessary to drill 75 feet into the Onondaga and the reasons why 3,000 foot spacing would be

inappropriate.

We agreed with Penn Virginia that the better approach would be to simply apply no spacing requirement at all to these wells, but if the Commission sees fit to apply any spacing limitation to their request, then 1,000 should not be -- it should not be anymore than 1,000 feet.

Petro Ed, North Star, and Trans Energy would ask that any acreage that they have or in the future acquire in this area be included within the special field rules that is issued in this proceeding.

COMMISSIONER LAY: Any other?

MR. PRESERVATI: I just wanted to make sure I clarify one of my objections earlier. On the piggybacking of the other operators, I want to make clear for the record that our object is; 1) we don't believe the other operators are legally allowed to piggyback on this application.

And if the Board so finds, we also object on the notice, even if they are allowed, the notice was improper in this instance to allow others to do it. So, I just want to clarify that on the record.

COMMISSIONER LAY: I understand. Any other?

MR. CUNNINGHAM: Can I just ask a question? Is

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that appropriate?

COMMISSIONER LAY: It depends on what your -- let's hear your question and then we'll determine whether you can ask it or not. How's that?

MR. CUNNINGHAM: Greg Cunningham with Dominion E & P. Are the wells, the Marcellus wells, going to be commingled with the shallower production?

COMMISSIONER LAY: That's something that we did not take testimony on. These are treated purely as -- in this particular case, I think it's really irrelevant whether they're commingled or not, because our purpose for this meeting is because they're going 75 feet into the -- or proposing to go 75 feet into the Onondaga, not because they're Marcellus or Barrera, Big Engine, whatever.

MR. CUNNINGHAM: The reason of my question is the spacing pooled issue. That's okay.

MR. TAWNEY: If I may, permit me to clarify one position for Petro Ed and for North Star and Trans Energy. Yes, if there is any spacing room greater than 1,000 feet, then they will not want to open their acreage into special field rules.

(Break taken.)

COMMISSIONER LAY: At this point, after a modest

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amount of deliberation, the Commission has decided that we will not render a decision today. We will --

MR. SULLIVAN: Surprise, surprise.

COMMISSIONER LAY: We've got several issues that we are looking at, and we will wait for transcripts. We will evaluate the evidence again, along with the Commission's counsel and address all of the objections and comments during that deliberation and let you know at that time.

I'm going to go ahead and close the record, because we're not going to take any additional evidence. We are going to deliberate. So, we'll close the record and at such time as we make a decision, we will notice the parties and we will probably ask for draft orders from all interested parties who wish to participate in the process. Anything else that I've forgotten? We'll close the record. Thank you.

(WHEREUPON, the hearing was concluded.)

REPORTER'S CERTIFICATE 2 3 4 STATE OF WEST VIRGINIA 5 COUNTY OF KANAWHA. to-wit: 6 7 I, the undersigned, Pamela I. Wood, do 8 hereby certify that the foregoing is, to the best of my 9 10 skill and ability, a true and accurate transcript of all 11 the testimony as set forth in the caption hereto. 12 Given under my hand this 17th day of May, 13 My commission expires May 6, 2017. 2007. 14 15 amelas. Mox 16 17 PAMELA I. WOOD - CCR - NOTARY PUBLIC OFFICIAL SEAL Notary Public, State Of West Virginia PAMELA I. WOOD 101 Belle Acres Scott Depot, WV 25560 Scott Depot, WV 25560 18 My Commission Expires May 6, 2017 19 20

Seal

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BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

COPY

IN RE:

Chesapeake Appalachia, L.L.C. <u>Special Field Rules</u>

Docket No. 179

Cause No. 164

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Transcript of proceedings taken on the 17th day of May, 2007, at 9:00 a.m., before the Oil and Gas Conservation Commission, located at 601 57th Street, Charleston, West Virginia, before Pamela Wood, Certified Court Reporter, duly certified by the West Virginia Supreme Court of Appeals, and Notary Public in and for the State of West Virginia.

PHYLLIS HAYNES EDENS, CCR, INC.

CERTIFIED COURT REPORTERS

Post Office Box 13337

Charleston, West Virginia 25360

(304) 984-3531 WEST VIRGINIA (800) 248-3531

BEFORE THE BOARD OF COMMISSIONERS:

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APPEARANCES:

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I N D E X

<u>Witness</u>	<u>Examination</u>
BRETT LOFLIN	8 (Moffatt) 12 (Gottlieb) 12 (Preservati) 14 (Sullivan)
ED ROTHMAN	15 (Moffatt) 24 (Gottlieb) 26 (Preservati) 28 (MacMahon) 28 (Comm. Martin) 31 (Comm. Radabaugh) 32 (Comm. Lay) 38 (Moffatt)
ROB SCHINDLER	39 (Moffatt)

JEFF CABLE		47 48	(Moffatt) (Comm. Radabaugh) (Tawney) (Preservati)
<u>Commission Exhibits:</u>	<u>Marked</u>		<u>Admitted</u>
A, Certified Receipt Cards B, Notice of Legal Advertiseme C, Request from Chesapeake dated 4-13-7 D, Pre Hearing Notice with Map E, Comments Received during 10 F, Comments Received after 10	6 s 6		
Chesapeake Exhibits:			
CH1, List of Operators CH2, Affidavit of Publication CH3, Affidavit of Publication CH4, Affidavit of Publication CH5, Affidavit of Publication CH6, Affidavit of Publication CH7, Affidavit of Publication CH8, Map CH9, CH10, Map	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		7 7 7 7 7 7 24 24 24
Reporter's Certificate			66

CHESAPEAKE EXHIBIT NOS. 1-10 FOR IDENTIFICATION

Said documents were thereupon marked as above indicated and are attached hereto.

COMMISSIONER BARRY LAY: Before the Oil and Gas Conservation Commission of the State of West Virginia in the matter of the request by Chesapeake, Appalachia, LLC, for an order from the Commission establishing special field rules in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne Counties of West Virginia. This is docket number 179, cause number 164.

Let the record show that present are members of the Commission, Robert Radabaugh, Barry Lay, Anthony Gumm and James Martin, and Cindy Raines from staff.

I'd like to place in the record at this time a copy of the notice of hearing along with the certified receipt cards as Exhibit A from the Commission; the copies of the notice of legal advertisement collectively as Exhibit B; a copy of the request submitted from Chesapeake dated April the 13th, 2007 as Exhibit C; a copy of Chesapeake's pre-hearing notice with maps and list of all of the effected operators as D; a copy of comments received during the 10 day comment period as E, and comments received after the 10 day comment period as F.

LLC.

1	DEPOSITION EXHIBITS A-F FOR IDENTIFICATION
2	Said documents were thereupon marked as above indicated and
3	are attached hereto.
4	COMMISSIONER LAY: At this time, the Commission
5	will take appearances.
6	MR. MOFFATT: Yes, my name is Keith Moffatt,
7	appearing on behalf of Chesapeake Appalachia, and with me
8	today as witnesses are Brett Loflin, Mr. Ed Rothman, Rob
9	Schindler and Jeff Cable.
10	COMMISSIONER RAY: Other appearances?
11	MR. MCMAHON: David McMahon, a lawyer
12	representing surface owners.
13	MR. GOTTLIEB: Richard Gottlieb, here on behalf
14	of Penn Virginia and due process rights of all produced gas
15	producers.
16	MR. SULLIVAN: Ben Sullivan on behalf of Equity
17	Production Company.
18	MR. TAWNEY: Kenneth Tawney on behalf of Petro
19	Ed Resources, WV, LLC, North Star Energy Corporation, and
20	Trans Energy.
21	MR. PRESERVATI: Nick Preservati on behalf of
22	Pocahontas Land Corporation and Argas Energy West Virginia,

1	MR. KEIM: Jeff Keim, Cabot Oil and Gas
2	Corporation.
3	MR. MULLEN: Chris Mullen, East American Energy
4	Corporation.
5	MR. HELDMAN: Roger Heldman, East Resources.
6	COMMISSIONER LAY: Anyone else?
7	MR. CUNNINGHAM: Greg Cunningham, Dominion
8	Exploration and Production.
9	COMMISSIONER LAY: Typically, at this time, I
10	would swear the witnesses, but since we have so many and we
11	don't know who that is going to be at the time, why don't
12	we do them individually as we call the witness, if that's
13	all right.
14	MR. MOFFATT: Sure.
15	COMMISSIONER LAY: I want to make sure that we
16	have that on the record. At this time, Mr. Moffatt, you
17	can proceed with your case. Call your first witness.
18	MR. MOFFATT: Our first witness is Mr. Brett
19	Loflin.
20	COMMISSIONER LAY: Will the court reporter
21	please swear the witness?
22	(Witness sworn.)

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THEREUPON came. 1 2 BRETT LOFLIN 3 appearing as a witness herein, having been duly sworn to 4 tell the truth, testified as follows: EXAMINATION BY MR. MOFFATT: 6 7 Mr. Loflin, would you please state your 8 name for the record? Brett Loflin 10 0 And by whom are you employed? 11 Chesapeake Appalachia, LLC. Α 12 Q And what is your job title at Chesapeake? 13 I'm a regulatory compliance specialist. 14 As a regulatory compliance specialist, 15 could you briefly describe some of your duties and 16 responsibilities? 17 Basically, anything and everything that has to do with dealing with state and federal agencies and 18 the laws and regulations. 19 20 Are you familiar with the request filed 21 by Chesapeake for special field rules here today? 22 Yes. I am. Α

There is a map on an easel which has been

1	premarked as Chesapeake Exhibit Number 8, I believe. Now,
2	is it correct to say that the area shown in red on that
3	map, is that the area which is encompassed by Chesapeake's
4	request for special field rules?
5	A Yes, it is, with the exception of the
6	block to the right that's labeled, I think, ECA, special
7	field rules area. It's also outlined in red.
8	Q Do you know, approximately, how many
9	acres are encompassed within that area?
10	A Approximately 560,000 acres.
11	Q Do you know how much acreage is owned or
12	controlled by Chesapeake within that area?
l3	A 75 percent.
L4	Q Now, would that be the acreage shown in
L5	yellow on the map, which has been pre-marked as Chesapeake
L6	Exhibit Number 8?
L7	A Yes.
L8	Q Has Chesapeake made reasonable efforts to
L9	notify operators located within the area of the area
20	encompassed by its request for special field rules?
21	A Yes, we have.
22	Q And could you tell the Commission how

many operators Chesapeake has identified?

_	
1	A 80 separate operators.
2	Q I'm going to hand you a copy of what has
3	been marked Chesapeake Exhibit Number 1. Would you review
4	that and let me know if that would be an accurate list of
5	the operators that have been identified?
6	A Yes, it is.
7	Q Did Chesapeake send certified mailings to
8	these operators notifying them of the pre-hearing
9	conference in this matter?
10	A Yes, we did.
11	Q And could you tell us what counties the
12	land encompassed in Chesapeake's request for special field
13	rules lies within?
14	A Boone, Kanawha, Lincoln, Logan, Mingo and
15	Wayne.
16	Q And did Chesapeake publish a notice of
17	the pre-hearing conference in papers or newspapers
18	circulated in those counties?
19	A Yes.
20	Q I'm going to hand you copies of what have
21	been pre-marked Chesapeake's exhibits two through six. If
22	you could review that and let me know if those are
23	affidavits of publication relating to those newspapers?

1	A Yes, they are.
2	Q I believe it will be two through seven,
3	since there are six newspaper publications involved; is
4	that correct?
5	A That's correct.
6	COMMISSIONER LAY: Exhibits two through seven?
7	MR. MOFFATT: That's correct. And, at this
8	time, I'd offer Exhibits Number 1 through 7 into evidence.
9	COMMISSIONER LAY: That's fine. We'll accept
10	them as so.
11	DEPOSITION EXHIBIT NOS. 1-7 FOR IDENTIFICATION
12	Said documents were admitted into the record.
13	MR. MOFFATT: And that's all the questions I
14	have for Mr. Loflin.
15	HEARING EXAMINER: Do we have any cross from any
16	of the
17	MR. GOTTLIEB: I don't think I have any cross,
18	but can I see Exhibit Number 1?
19	COMMISSIONER LAY: We're going to go off the
20	record for a minute while they examine the exhibits.
21	(Break taken.)
22	MR. GOTTLIEB: I have just one question for Mr.
23	Loflin.

certified mail?

EXAMINATION 1 2 BY MR. GOTTLIEB: 3 Mr. Loflin, you testified that Chesapeake owned or controlled 75 percent of the acreage that you're 4 asking for special field rules for. Does Exhibit Number 1 5 reflect the entire 25 percent of entities, as far as 6 Chesapeake knows, that has interest in the affected 8 acreage? 9 As far as we could identify, yes. Anyone that is not on that list would have been covered by the 10 11 legal advertisements. 12 MR. GOTTLIEB: Thank you. 13 MR. PRESERVATI: Nick Preservati. Mr. Loflin. just a couple of quick questions. 14 15 EXAMINATION BY MR. PRESERVATI: 16 17 Looking at this list, did you provide 18 notice to any individuals that's not on this list via 19 certified mail? 20 No. we did not. 21 So, is it safe to say that neither 22 Pocahontas Land or Argas Energy were provided notice via

1	A If they're not on that list, yes, that
2	would be safe to say.
3	Q Okay. And, likewise, it would be safe to
4	say since no coal companies are listed on this list, that
5	they didn't get certified notice as well?
6	A That would be correct.
7	MR. PRESERVATI: Thank you.
8	HEARING EXAMINER: Any other questions? Any
9	questions from members of the Commission?
10	COMMISSIONER RADABAUGH: Nothing here.
11	COMMISSIONER GUMM: No.
12	COMMISSIONER LAY: I would just like to have one
13	definition with regard to 75 percent owned or controlled.
14	Can you define what you mean by owned or controlled?
15	THE WITNESS: Yeah. We either have the acreage
16	under lease or we own it in fee.
17	COMMISSIONER LAY: And that's what's depicted
18	in, I'm going to assume yellow, in Exhibit 7?
19	THE WITNESS: Yes.
20	MR. MOFFATT: That would be Exhibit 8.
21	COMMISSIONER LAY: Exhibit 8, I'm sorry. We
22	haven't entered that one. You're right, sorry.
23	MR. SULLIVAN: I've got a question for Mr.

1	Loflin. Ben Sullivan with Equitable Production Company.
2	EXAMINATION
3	BY MR. SULLIVAN:
4	Q Mr. Loflin, when you made this
5	application and noticed the application, when you made the
6	application, was it your intention to bind the other 25
7	percent; meaning, the other operators in this acreage, to
8	special field rules that Chesapeake's applying for here
9	today?
10	A It wasn't our intention to bind any other
11	operators nor to exclude any other operators, either way.
12	MR. SULLIVAN: Thank you.
13	COMMISSIONER LAY: Mr. Radabaugh?
14	MR. RADABAUGH: That satisfies me.
15	COMMISSIONER LAY: Call your next witness.
16	MR. MOFFATT: The next witness is Ed Rothman.
17	COMMISSIONER LAY: Will the court reporter
18	please swear the witness?
19	(Witness sworn.)
20	THEREUPON came,
21	ED ROTHMAN
22	appearing as a witness herein, having been duly sworn to
23	tell the truth, testified as follows:

EXAMINATION 1 2 BY MR. MOFFATT: Mr. Rothman, would you please state your 3 0 name for the record? 4 Ed Rothman. And by whom are you employed? 6 0 7 Chesapeake Appalachia. Α And what is your job title? 8 0 9 I'm a senior geologist. 10 0 As a senior geologist, what are some of 11 your job duties and responsibilities? 12 Α I'm basically responsible for southern 13 West Virginia, eastern Kentucky and Virginia, as far as 14 evaluating properties to drill gas and oil wells. 15 Mr. Rothman, are you familiar with the 16 request being made here today by Chesapeake for special field rules? 17 18 Yes. I am. 19 And, Mr. Rothman, do you have experience 20 with wells drilled to the Marcellus formation? 21 Yes. I do. 22 And in preparation for your testimony here today, did you prepare any exhibits? 23

Yes, I did. I prepared the exhibits that 1 2 are on the easel. 3 And the first exhibit on the easel is Exhibit Number 8. Could you please describe to the 4 5 Commission what that exhibit demonstrates? Exhibit Number 8 is a map that shows the 6 7 area that we're requesting special field rules for. 8 There's a red or rose colored boundary that encompasses the area where we are requesting the field rules for. The yellow is acreage that has been 10 previously said that we own or control in the area. The 11 12 rose colored triangles are 2007 wells that we are working 13 -- currently working on to drill in this area. And the 14 black dots are existing wells that have already been 15 drilled in this area. 16 And then I also included the boundary for 17 special field rules that ECA applied for and was granted. 18 Mr. Rothman, could you explain to the 19 Commission why you picked this area or selected this area 20 for inclusion in Chesapeake's request for special field 21 rules? 22 Α This is an area that, you know, we plan

to drill a lot of wells in. I think this year we're hoping

to drill 100 wells in this area and then we have identified another 1,700 locations in this area.

So, this is an area that Chesapeake is going to be very active in drilling to and through the Marcellus in the next few years.

Q And how many planned future locations did you mention Chesapeake has in this area?

A 1,700.

Q Now, you mentioned you had experience or have experience in drilling Marcellus formation wells. Where does the Marcellus formation sit in relation to the Onondaga formation?

A It sits directly on top of the Onondaga.

Q Now, when drilling a Marcellus formation well, is it a challenge to not drill more than 20 feet into the Onondaga?

A It has been a challenge for us to drill less than 20 feet into the Onondaga. We have sent company geologists out to try to pick TD, and we pick TD by two methods; either using a geolograph which shows us our drill rate. When you hit the Onondaga, the drill rate slows down, or we look at samples. And it's just been a very difficult procedure, because the Onondaga is very gradatial

in the area. Sometimes it's not easily seen with drilled rate.

And we also have a lot of problems with the samples, because sometimes we don't gather enough samples to truly identify where we're at.

Q Let's talk about logging the Marcellus formation. Does the 20 foot limitation for shallow gas wells - and I'm speaking of the limitations that you may only drill 20 feet into the Onondaga - does that create any problems for you, as a geologist, when logging the Marcellus formation?

A We, basically, use two contractors in this area. One of them is Slumber-Jay and their tool length is 66 feet, and the other is Allegheny and their tool length is approximately 34 feet. So, we are only allowed 20 feet of rat-hole. We end up having to break tools down, which, you know, adds time in the job. It also adds extra expense.

Q So, to comply with the 20 foot limitation of drilling into the Onondaga, it's necessary to break down the logging tools to log the Marcellus?

A That's correct.

Q Now, in having to do that, does that

A It does, because even when we break Slumber-Jay's tools down, one run is like 29 feet and the

jeopardize at all your ability to log the entire length or

zone, or the entire length of the Marcellus formation?

other run is 35 feet. So, even with breaking their tools down, we're not able to log the entire Marcellus.

And, also, with Allegheny, on their second run, they take their gamma ray and run it separately and there's some information that we do that's based from the first run, because it exceeds 20 feet in length.

Q Am I correct in saying that if you're not able to log the entire Marcellus formation, it compromises the quality of the information you receive and your ability to evaluate the Marcellus formation?

A That's correct.

Q And then is it correct to say that because you have poor quality information, it compromises your ability to complete and crack the Marcellus formation?

A Because we don't log the entire section, yeah, we don't get a true reservoir characterization of the entire Marcellus and it might affect us in taking perforations and how we design our fracs.

Q Would the result of this be that you then

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create a risk of leaving recoverable reserves in the ground if you're not able to perforate the entire length of the Marcellus formation?

A That's possible, yes.

Q I'm going to come up here and flip your chart and show you what's been marked Chesapeake Exhibit Number 9.

Mr. Rothman, is that an exhibit you prepared in preparation for this hearing?

A Yes, it is.

Q Could you explain what that demonstrates?

A It's examples of logs that have gone through the Marcellus well to the right from a Lincoln County well. It's Lincoln County permit number 3246, and the well to the left is a well that we recently drilled in Mingo County. It's Mingo 1824.

And you can see on the well on the right we had permission from the Commission to drill 100 feet into the Marcellus and we were able to log the entire Marcellus interval and the top of the Onondaga.

If you look at the well on the left, you can see clearly our gamma ray didn't get over the Marcellus, and it looks like we just barely got through the

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1 Marcellus on the density information.

And I'm not sure about the temperature, which is an important tool in shale wells. Our temperature tool probably didn't pick up much information on the Marcellus.

Q In looking at Exhibit Number 9, is it correct to say then that the information, or the quality of the information you have on the log to the left where you were not able to drill 75 feet into the Onondaga, the quality is poorer than that on the right where you were able to drill at least 75 feet into the Onondaga?

A That's correct.

Q And did you also mention by having to break down your logging tools because of the 20 foot limitation, would that increase the drilling time and drilling cost?

A That's correct. It's, approximately, an extra two hours of time and then \$2,000 extra; 1,000 to the logging company and then 1,000 is for the rig.

Q And if it's necessary to break down your logging tool to log the Marcellus, does that result in an additional run down the hole?

A That's correct.

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Q Is there any risk in having to do additional runs down the hole?

A There's always a risk when you stick, you know, logging tools in a hole that the hole might collapse or if you get the tool hung up. So, there is actually a risk.

Q All right. Mr. Rothman, I am going to show you what has been marked as Chesapeake Exhibit Number 10. Is that an exhibit that you prepared in preparation for this hearing today?

A Yes, it is.

Q Could you please describe what this exhibit demonstrates?

A It is similar to Exhibit Number 8 where it shows the area that we're requesting special field rules for. Our proposed 2007 locations, again, are shown in the rose colored triangles and all the wells that have been drilled in the area, plus I contoured the Onondaga to the top of the Oriskany sandstone and that's where the contours are.

Q And does this map then show the thickness of the Onondaga in the area where Chesapeake had requested special field rules?

1	A Yes, it does.
2	Q And what is the range of thickness in
3	this area?
4	A The thickness ranges from less than 110
5	feet to greater than 180 feet.
6	Q If Chesapeake is allowed to drill 75 feet
7	below the Marcellus in this area, would that remain in the
8	Onondaga formation?
9	A Yes, it would.
10	Q And do you know whether or not the
11	Onondaga formation in this area is capable of commercial
12	production?
13	A We do not have any Onondaga production on
14	any of our acreage and I could not find any Onondaga or
15	Oriskany production anywhere in that area.
16	Q If Chesapeake's request for special field
17	rules is granted, does Chesapeake have any intention to
18	drill or - excuse me, not drill - complete, perforate and
19	stimulate any portion of the Onondaga?
20	A No, we do not.
21	MR. MOFFATT: I don't have any further questions
22	for Mr. Rothman and I would offer into evidence Exhibits 8
23	through 10.

1	COMMISSIONER LAY: We'll accept Exhibits 8, 9
2	and 10.
3	DEPOSITION EXHIBIT NOS. 8-10 FOR IDENTIFICATION
4	Said documents were admitted into the record
5	COMMISSIONER LAY: Any cross?
6	MR. GOTTLIEB: I just have a question or two to
7	clarify as to what I understand the scope of the project
8	is.
9	EXAMINATION
10	BY MR. GOTTLIEB:
11	Q Mr. Rothman, I know you're a highly
12	regarded poet and I was going to ask you to do some
13	mathematical calculations. I wasn't sure whether that was
14	within your expertise or not, but this helps a little bit.
15	As I understand, this is Exhibit 9?
16	MR. MOFFATT: Exhibit Number 10.
17	MR. GOTTLIEB: Ten.
18	BY MR. GOTTLIEB (Resuming):
19	Q It reflects Chesapeake's proposed
20	drilling sites for the upcoming year if the Commission
21	grants the request?
22	A These are wells that are presently in our
23	database that are listed as 2007 wells in the system. Some

1	
1	may drop out and some may be added.
2	Q Okay. I understand that's subject to the
3	topography and different
4	A Right.
5	Q other considerations, but I believe
6	you also mentioned that Chesapeake plans on drilling an
7	additional 1,100 wells within this acreage?
8	A What I said was, we have 1,700 additional
9	locations identified that we could drill.
10	Q And when you say "you could drill," that
11	means that Chesapeake believes there might be some
12	commercially recoverable gas in those locations?
13	A Right, and also we have the spacing to do
14	that.
15	Q My overriding question is, assuming that
16	Chesapeake obtains these special field rules in the spacing
17	that it has requested and it drills the additional 1,700
18	wells, is there anyway to calculate how much of this entire
19	acreage is going to be encompassed in Chesapeake's drilling
20	of these wells with the surrounding 1,000 foot spacing?
21	A I would say the majority of them would be
22	developed.
23	Q Can you be anymore specific than the

majority, as you sit here today? 1 2 3 4 6 So, I mean, this is just a very big part 7 of our drilling area for West Virginia and we plan to do a 8 lot of drilling in the next few years. 9 10 11 12 13 14 15 wells. do we? 16 No. MR. GOTTLIEB: Thank you. 17 18 19 20 21

You know, these wells are going to be based on economics. So, you know, we might get into an area where we have locations planned and it doesn't work out and we don't further develop the area.

I understand. I was just, on behalf of the entities, that the 25 percent, if you will, of gas producers that have interests encompassing this acreage. As we sit here today, we don't know whether your proposal -Chesapeake's proposal - is going to, in effect, space out any of these other entities' ability to come in and drill

COMMISSIONER LAY: Other cross?

MR. PRESERVATI: One quick question.

EXAMINATION

BY MR. PRESERVATI:

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Mr. Rothman, you said earlier that you do 0 not anticipate completing any wells in the Onondaga.

1	What's your definition of complete?
2	A To perforate and stimulate the Onondaga
3	limestone.
4	Q And just to be clear, stimulate it for
5	what purpose?
6	A For production, to enhance production.
7	Q And can you just briefly describe for me,
8	all of the activity that is anticipated to occur in the
9	Onondaga is simply to log the Marcellus; is that correct?
10	A That's correct. From my part, it's,
11	basically, to give us enough room to correctly pick the top
12	and also to give us enough room to get logging tools
13	through.
14	Q Okay. And if the special rules weren't
15	granted and you weren't allowed to go down to 75 feet and
16	you were only allowed to go down to 20 feet, you would
17	still be able to drill the wells; you just wouldn't be able
18	to have all of the logging information that you would
19	otherwise have?
20	A That's correct.
21	MR. PRESERVATI: Thank you. No further
22	questions.

COMMISSIONER LAY: Mr. McMahon?

BY MR. MCMAHON:

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Q When you said spaced out, if these are considered deep wells, that would be subject to the adjoining owner's right to, of course, pool some of the resources. Would that be also correct?

EXAMINATION

A (No response.)

Q You don't know the answer to that?

A Yeah, I really don't know the answer to that one.

COMMISSIONER LAY: Other questions? Questions from the Commission?

EXAMINATION

BY COMMISSIONER MARTIN:

Q Mr. Rothman, you made a comment about how you arrived at this boundary, and I think it was something to the effect that it's an area you anticipate being active in the future. Can you elaborate on that anymore in terms of the geology behind that, picking that actual boundary?

A It's been a very productive area for Chesapeake and its predecessor companies. We have a number of wells, producing wells, in the area right now. We do have space to drill additional wells, and we get good

production. Besides the Marcellus and the rest of the Devonian shale, there is other reservoirs that we complete in the area, Barrea, Engine, Big Lime.

So, it's just a very good area for our company and we do have room for a future with all of them.

Q How many wells would you -- I mean, how many wells do you think exist -- how many wells have been drilled in that red outline, would you guess? Or if you don't feel comfortable, that's fine.

A I really don't have an exact number. Maybe somebody else that is going to testify can answer that.

Q Would you know, approximately, how many wells in that red block are below the top of the Onondaga -- have been drilled below the top of the Onondaga?

A Yeah, if you look on the map - and there's a little legend down there at the bottom - I indicate a green box that is a data point to use to get the Onondaga. And in this whole map there's only 25 data points that went through the Onondaga and into what I identified as the Oriskany.

Now, I couldn't tell you how many wells would have just penetrated the Onondaga, but I can tell you

1	how many wells that I looked at that generated this path.
2	Q So, the 25 wells would have actually beer
3	drilled through the entire Onondaga section?
4	A That's correct.
5	Q So, your isopach map in this case is
6	based only on those 25 wells?
7	A That's correct.
8	Q You said you didn't know how many wells
9	perhaps had been drilled into the Onondaga, if I heard you
10	right?
11	A Correct.
12	Q So, you wouldn't know how many of those
13	wells would be operated or drilled by someone other than
14	Chesapeake or Chesapeake's
15	A No, I don't have any knowledge of that.
16	Q How about the 25 wells? How many of
17	those are Chesapeake's wells? Would you know that?
18	A Probably about 10 of them. Some of them
19	are old deep wells. This is in the area into the Rhome
20	trough (phonetic) that we drilled or participated with some
21	companies to drill some deep test wells in here, into the
22	Rhome trough.
23	Q You asked for 75 feet in your request and

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1	at this point what we've heard is that that's based, I
2	guess, strictly on the logging tool configuration?
3	A Correct.
4 ·	Q Is there any magic in that number, 75
5	feet? I heard Allegheny's tools are 69 feet, I think. Is
6	that just kind of a round number?
7	A No, the exact length of Allegheny is
8	33.72. The exact length of Slumber-Jay is 65.8. So, it's
9	based mainly on the Slumber-Jay tool.
10	Q Okay. 65?
11	A Yes, 65 or 67.
12	Q I don't know if you're the person to ask
13	this question, but would you know, approximately, what the
14	drainage acreage is for these type of wells?
15	A Yeah, I think one of our other witnesses
16	can better answer that.
17	COMMISSIONER MARTIN: Thank you.
18	COMMISSIONER LAY: Robert?
19	EXAMINATION
20	BY COMMISSIONER RADABAUGH:
21	Q I guess it would be safe to assume
22	I'll get back on geology a little bit. One question that
23	or the point I think he was getting at but didn't get

1	totally to it. If you drilled to the bottom of the
2	Marcellus into the Onondaga and you just do your 20 feet,
3	or less than 20 feet, and you can't get your logging tool
4	clear down below the Marcellus, then really it didn't do
5	you any good to drill the Marcellus, to the bottom of it,
6	because you're stabbing in the dark; correct?
7	A You know, it just doesn't allow you to
8	log and evaluate it.
9	Q Right. That's what I'm getting at. I
10	mean, you're stabbing in the dark?
11	A Right.
12	Q You can't adequately log it.
13	A Correct.
14	MR. RADABAUGH: That's it.
15	COMMISSIONER LAY: I just have a couple of
16	questions.
17	EXAMINATION
18	BY COMMISSIONER LAY:
19	Q You stated that you had potentially 1,700
20	locations, additional locations, after this year's project?
21	A Correct.
22	Q What spacing where those wells determined
23	upon?

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1	A Those spacings were based on, I believe,
2	1,500 feet.
3	Q 1,500 feet? And those were selected by
4	you?
5	A _ I selected some of them. We did a study
6	a number of years ago to determine remaining locations that
7	we thought would make economic wells and I was one of the
8	people involved in that, and I did work some in this area.
9	but I did not do all the work.
10	Q Okay. I think you mentioned in your
11	testimony that you weren't aware of any Oriskany or any
12	Onondaga wells that were productive in this area. Is that
13	what you said?
14	A Yeah, I couldn't find any and I used a
15	couple of sources. The gas atlas that was done GRI, I used
16	that, and I also used the Oriskany report that was done by
17	Dudley Cardwell in the '70s, just to find something in
18	there and I couldn't find anything.
19	And then we did an in-house search of
20	this area and we did not find any production in either the
21	Onondaga or Oriskany that we had.
22	Q Okay. Your Exhibit 10, that represents
23	an isopach, you say, of the Onondaga?

23

1	A The Onondaga to the top of the Oriskany.
2	The top of the Onondaga to the top of the Oriskany. So,
3	it's the entire gross Onondaga.
4	Q Now, when you're saying Onondaga
5	interval, does that include the Huntersville or is this
6	purely all Onondaga?
7	A It would include the Huntersville, yes.
8	Q Do you know, specifically, the average
9	thickness of the Onondaga itself and the average thickness
10	of the Huntersville within these areas?
11	A No. I know from looking at some mud logs
12	from this area that there is, sure, within what I call the
13	Onondaga interval. Now, as far as I know, there's no
14	Huntersville production in this area, either. But there is
15	certainly present in the Onondaga and Oriskany.
16	Q In your background, did you look at any
17	of the inherent structure over the area? I mean, are you
18	in an area that is highly fractured? Are we potentially
19	looking at any fracturing within the within the area
20	that you've encompassed here?
21	A I think I mentioned earlier that this
22	area, you know, the Rhome trough goes through, which is a

basement feature, and it's formed by, you know, multiple

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1	faults and there has been movement through time of these	
2	faults. Everything that I looked at, you know, I could no	
3	find any of these 25 wells that I looked at in the	
4	Onondaga interval, you know, I could not find what I would	
5	call productive zone.	
6	Q Even with what you broached as	
7	reactivation, you still haven't seen anything that led you	
8	to believe there was any productive intervals?	
9	A You know, one well that I did have a mud	
10	log on had some small shows in there, but, you know, it was	
11	not completed.	
12	Q It wasn't complete, but it was so,	
13	therefore, it was not determined whether or not it was	
14	productive, you know, commercially productive?	
15	A Correct.	
16	Q Do you know who the operator of that	
17	particular well was?	
18	A Yeah, it was one of the Exxon deep wells	
19	that Columbia Transmission participated in.	
20	Q And has it subsequently been plugged and	
21	abandoned, are you aware?	
22	A Yes.	

Okay. Any of the existing wells that

1	you've identified here that are in the green, I think you
2	said that you believe that approximately 10 belong to
3	Chesapeake?
4	A Yeah, that's just a guess. Yeah. We
5	have been active, you know, through time and doing some
6	deep walls on these Rhome trough type structures. I would
7	say 10 is a good number.
8	Q Of those, or of this group of wells, how
9	many are still currently producing or active wells? Do you
10	know?
11	A Well, the wells that cluster up in Wayne
12	County, is a big six field. So, those are still
13	producing, but they don't produce out of the Onondaga.
14	Q Okay.
15	. A Most of the ones elsewhere have been
16	plugged.
17	Q Have been plugged?
18	A Plugged or, let's say, plugged in the
19	deeper formations with that possibly producing shallower
20	formations.
21	Q So, they've potentially recompleted some
22	of these wells, if not all of them. Is that what you're
23	saying?

1 Some of them, yes. 2 One of my concerns with this area in 3 Wayne County, those being big six productions which are on the boundary or very close to the boundary of your 4 5 potential development, those are typically sour producing 6 gas wells. Are you aware of any others in the areas that might have contaminated the shallow earth formations in the 8 Oriskany or Onondaga that might lead to H2S production in these areas? I can't specifically point out which 10 11 well. You know, it is a possibility of encountering H2S 12 gas when you penetrate the Onondaga. 13 And from your isopach, the Oriskany. 14 let's call it -- the shale on which you penetrate the 15 Oriskany would be somewhere around 100 to 110 feet? 16 Correct. Α 17 Okay. And those areas are identified in 18 the central part of contact between Wayne and Lincoln 19 counties? 20 Correct. 21 COMMISSIONER LAY: Okay. That's all the 22 questions I have. Anybody else?

MR. MOFFATT: I've got one follow-up guestion.

1 if I may.
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COMMISSIONER LAY: Okay.

MR. MOFFATT: I think it follows up to what Mr. Martin was asking.

EXAMINATION

BY MR. MOFFATT (Resuming):

Q Mr. Rothman, if you look at the Marcellus shale formation in the area requested for special field rules, is it fair to say that you could treat that area as a single gas field from a geological standpoint?

A Yes. The Marcellus is very similar in this area as far as the composition in mineralology. The thickness that we've seen so far goes from about slightly less than 20 feet in the southwest portion to about 35 feet in the north. The rocks are very similar.

MR. MOFFATT: Thank you. I don't have any further questions.

COMMISSIONER LAY: You can call your next witness.

BY MR. MOFFATT: The next witness is Rob Schindler.

COMMISSIONER LAY: Will the court reporter please swear the witness?

(Witness sworn.) 1 2 THEREUPON came. SCHINDLER 3 $R \cap B$ appearing as a witness herein, having been duly sworn to 4 5 tell the truth, testified as follows: 6 EXAMINATION 7 BY MR. MOFFATT: Mr. Schindler, would you please state 8 0 your name for the record? 10 Α Rob Schindler. And by whom are you employed? 11 Q 12 Chesapeake Appalachia, LLC. Α And what is your position at Chesapeake? 13 0 14 Senior drilling engineer. 15 And please describe for the Commission Q some of your job duties and responsibilities as a senior 16 drilling engineer. 17 I'm responsible for drilling and 18 completing wells in our southeast district. 19 In that capacity, you have experience 20 21 with wells drilled to the Marcellus formation? Yes, I do. 22 Α 23 Q And you heard today that if the Marcellus

well -- if a Marcellus well is drilled as a shallow well,
there is a limitation of being able to only drill about 20
feet into the Onondaga. As a drilling engineer from an
operational standpoint, does that create any problems for
you?

A Yes, it does.

Q Could you please describe for the Commission some of the problems you face because of the drilling limitation?

A Yes. I'll just reiterate a couple of things, but I want to go in chronology order. So, starting with what Ed touched on, that it is difficult to drill, you know, exactly 20 feet or something just less than that so we can get as much space as we can, and Ed talked about the logging issues.

I know that Barry made a comment earlier that it is possible. Yes, it is possible to drill these wells. Obviously, we, along with other operators have been doing that. It does create some difficulties, and then getting on -- once we're done logging, it's difficult to set that pipe precisely where you need it. Obviously, it has to be in that 20 foot interval somewhere to be able to perforate the Marcellus.

You've got a couple of different measurements. One is a driller's TD. One is a logger's TD. Typically, there's some discrepancy between those two and then when you're going into major casing, which one am I going to set the pipe line.

So, what we have to do is tag bottom with the casing, the production casing, to ensure that we are at bottom with that casing.

That creates the problem of 1): you might plug the end of that casing, creating a cementing problem, and you also have to spend the extra time and money to space out with pop joints at the surface to be able to set that pipe exactly where you want it in that 20 foot interval below the base of the Marcellus.

Then next becomes the cementing issue. Like I said, since there's a possibility of plugging the bottom of the casing when you tag bottom, what we do is we perforate, run a short coupling on bottom and perforate that to elleve the potential plugging issue. If you did plug, obviously, that leaves your pipe full of cement.

So, we perforate that joint and what that's doing is causing a problem with the cement bond around the bottom of the casing.

It will be preferential to leave a longer and solid joint below that so that if there's any bypassing of either displacement water passing the plug or some air that entered the system while you're washing up for your change from cement to water, then that 40 foot solid joint below where the rubber plug lands allow for some space for that contaminated cement to be instead of it actually turning the corner, when it's going to turn the corner right below that plug in the slotted joint the way we're currently having to operate on these Marcellus wells.

And then after the cementing, the same problems that Ed has, although it's not as large of an issue, but getting that bond log right on the bottom and then being able to swab that water off 100 percent, because you're talking about perforating within a few feet of bottom. If you leave any water, or oftentimes it's going to be a little bit of what we call a little bit of gray water. It just follows the cement down through to four to five thousand feet.

Whereas if we had just a little bit of extra space for that fluid to fall down into, it's a lot cleaner. And then when you get to the production of the well, if you're going to run, you leave it some distance up

1	above the bottom of the hole, because as basic cement fine
2	sands are inherent, and then it will fill up the process
3	perforation and the gas would still be able to
4	Q the entire Marcellus formation or
5	zone, you are going to leave recoverable reserves in place?
6	A Potentially.
7	Q If Chesapeake had the ability to drill 75
8	feet into the Onondaga, would that alleviate the problems
9	you just described?
10	A Yes, it would.
11	Q Typically, with a deep well, there's a
12	requirement that you prepare and file a site and safety
13	plan. Are you familiar with that requirement?
14	A Yes, I am.
15	Q And as a part of this request for special
16	field rules, Chesapeake is asking that the Commission waive
17	that requirement; is that correct?
18	A That's correct.
19	Q And what's the basis for that request;
20	that they waive the requirement for site and safety plan?
21	A Well, as Mr. Rothman stated, we're asking
22	for an extra 55 feet that's penetrating an unproductive
23	Onondaga, leaving the only question or concern of safety

1	being H2S, which has been raised by Mr. Lay, and we are		
2	aware of that, and it would be our intention in all of		
3	these wells to have H2S monitoring equipment on location		
4	when we penetrate in the Onondaga. And by doing that, is		
5	would appear to alleviate any questions or concerns that		
6	would be addressed in a site seeing plan.		
7	MR. MOFFATT: I have no more questions for Mr.		
8	Schindler.		
9	COMMISSIONER LAY: Cross from anyone?		
10	(No response.)		
11	COMMISSIONER LAY: I don't believe I have,		

either. You addressed the safety issue I was concerned about. Call your next witness.

MR. MOFFATT: The next witness is Jeff Cable.

(Witness sworn.)

THEREUPON came,

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JEFF CABLE

appearing as a witness herein, having been duly sworn to tell the truth, testified as follows:

EXAMINATION

BY MR. MOFFATT:

Q Mr. Cable, would you please state your name for the record?

1	l e e e e e e e e e e e e e e e e e e e		
1	А	Jeff Cable.	
2	Q	And by whom are you employed?	
3	А	Chesapeake Appalachia.	
4	Q	In what capacity?	
5	A	Senior reservoir engineer.	
6	Q	As a senior reservoir engineer, what are	
7	your job duties?		
8	А	Perform reserve analysis and evaluation	
9	for wells in the southeastern district.		
10	Q	Does that include the area encompassed by	
11	Chesapeake's requ	uest here today?	
12	А	Yes, it does.	
13	Q	Are you familiar with the request made by	
14	Chesapeake for special field rules?		
15	A	Yes.	
16	Q	And do you have experience with wells	
17	drilled to the Marcellus formation?		
18	А	Yes, I do.	
19	Q	Is it correct to say that this is a	
20	relatively new pl	ay?	
21	А	It's a new play for Chespeake. We've	
22	drilled so far 75	wells in this area and completed the	
23	Marcellus.		
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Q What is Chesapeake's current spacing practice with regard to these Marcellus formation wells?

A Currently, we're drilling on 1,500 foot spacing, which is about 40 acre spacing. So far from these 75 wells drilled to date, we don't have any evidence of interference between the wells.

Q Now, since this is considered -- or since a Marcellus formation well which is drilled 75 feet into the Onondaga is considered a deep well, it would be subject to the deep well spacing requirements, which are 3,000 feet between wells and then 400 feet off the lease unit, the leaser unit boundary line.

In your opinion, would it be prudent to develop Marcellus formation wells based upon that spacing?

A No, it would not.

Q For purposes of Chesapeake's request for special field rules, you're asking the Commission for spacing of 1,000 feet between wells and 50 feet on lease of inner-boundary line. What's the basis for that request?

A It would allow us flexibility for topography issues, coal owner/surface owner issues, and also we have a lot of existing wells in the area that we would be drilling deeper -- potentially drilling deeper to

the Marcellus.

Q As you drill more Marcellus wells, is it possible -- will you obtain new information which may lead you to space these wells closer than 1,500 feet?

A Potentially.

 $\ensuremath{\mathsf{MR}}.$ MOFFATT: I have no further questions for $\ensuremath{\mathsf{Mr}}.$ Cable.

COMMISSIONER LAY: Any cross?

EXAMINATION

BY COMMISSIONER RADABAUGH:

Q On the request, you request spacing to be a 1,000 feet, or a variance of 1,000 feet. Earlier, we had talked about when some studies had been done a few years ago, you had done your estimates on 1,500 foot spacing, when you came up with 1,700 potential well sites in the future. Has Chesapeake's view of the spacing that they need changed for some reason between the 1,500 feet that you was working off of a few years ago and 1,000 feet now that you're looking at?

A Well, the 1,500 is our current practice and while we try to maintain that, we can't always get

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1	1,500 feet on all sides. So, we picked 1,000 feet as a
2	number. We didn't know if it would be 14, 13, 1,200 feet.
3	So, we picked 1,000 feet to accommodate that flexibility.
4	And, also, these existing wells that will
5	be drilled deeper, some of them are within 1,500 foot
6	spacing.
7	Q Okay. So, basically, what you're asking
8	for is to have a minimum of 1,000 feet, but it doesn't mean
9	that all of your wells are going to be on a 1,000 foot
10	spacing?
11	A That's correct.
12	COMMISSIONER RADABAUGH: Okay.
13	COMMISSIONER LAY: Other crosses?
14	EXAMINATION
15	BY MR. TAWNEY:
16	Q I was kind of wondering where you got
17	that 1,000. You just kind of picked a number for the
18	1,000?
19	A It's arbitrary. We don't plan right now
20	on going down to 1,000 foot spacing, but there could be
21	occasions where we could get crowded on one side. If I
22	picked 1,500, then we would have to come in and get a
23	spacing exception if it was closer to 1,500.

1.500 feet.

MR. TAWNEY: I'm following your reasoning. 1 2 MR. PRESERVATI: I've got a couple of questions, 3 if I can. EXAMINATION 4 BY MR. PRESERVATI: 6 Earlier you said it wasn't prudent to space these wells out at 3,000 feet. So, what do you mean 7 8 by it's not prudent? 9 We would be leaving recoverable reserves in place if we spaced them at 3,000 feet. 10 11 And what about at 2,000 feet? Would you 12 be able to recover some of that reserve you wouldn't be 13 able to at the 3,000 foot spacing? 14 It's possible, but I believe that we Α . 15 would still, at 2,000 feet, we could still be leaving 16 reserves behind. 17 And is that based on reserve study? 18 What's that based upon? 19 Basically, what we've seen so far in completing these wells, you know, we're on 1,500 foot 20 21 spacing. We have not seen any communication between wells 22 suggesting that the drainage area would be greater than

1	Q	Do you have any of those log reports or
2	anything like that	here today showing that?
3	А	No, I do not.
4	Q	And so I understand, you said that you
5	wanted the flexibi	lity of 1,000 feet spacing to address
6	potential issues,	potential coal issues, topography issues;
7	is that correct?	
8	· A	That's correct.
9	Q	So, the request for 1,000 feet is to
10	address potential	issues down the road?
11	А	That's correct.
12	Q	It's not a specific well-by-well basis of
13	addressing issues	that exist today in regards to coal owner
14	topography issue?	
15	А	Not today, no.
16	Q	As we sit here today, do you have any
17	documentation or a	ny reports to show you couldn't
18	effectively produc	te the Marcellus at 2,000 foot spacing?
19	А	I do not have documentation, no.
20	Q	Do you have documentation elsewhere, not
21	here with you, but	elsewhere, that would show that to be
22	the case?	
23	A	There's no specific reservoir study

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that's been done, but based on what we have done to date, as far as completion, we have not seen evidence where the drainage area would be draining 1.500 feet.

MR. PRESERVATI: No other questions. Thank you. COMMISSIONER LAY: Anyone else? The only question I really have, I just want to make note that your current policy is 1,500 foot spacing on center. Is that from the existing wells that are already there in shallow formations or is that what you use between what you are considering here on the Onondaga or Marcellus test zone?

THE WITNESS: It's two existing wells, but in certain instances, we will go closer than 1,500 if it's -- if we're close to a well that's completed in shallower formation, Barrera and Engine Line. But the shales, we try to stay 1,500 feet, typically.

COMMISSIONER LAY: Okay. I think that was the only question I had.

MR. MOFFATT: That's our last witness. Okay. (Break taken.)

COMMISSIONER LAY: Who would like to be first?

MR. MCMAHON: My name is David McMahon. I'm a
lawyer representing --

MR. TAWNEY: Your Honor, before we proceed with

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22 23 David's statement, earlier he indicated that he represented simply landowners or surface owners. I'd like to get on the record precisely who he's representing today.

MR. MCMAHON: Well, I'm employed 30 percent of the time by an organization called Mountain State Justice. which I generally do represent surface owners. I've written books, et cetera. He raised a question today and I'll confess that I did not get specific authorization. I have general authorization to do that rather than specific authorization for this. So, I will appear now representing just myself, as a member of the public, but as a lawyer, who by profession represents low income surface owners.

COMMISSIONER LAY: Very good.

MR. TAWNEY: Thank you.

MR. MOFFATT: I have one question. Do you own surface property within the area encompassed by Chesapeake's request for special field rules?

MR. MCMAHON: Are you talking Loudon Dale? I live in Loudon Dale. I own property in Loudon Dale, which is a subdivision of and a magistrate district of Kanawha County.

MR. TAWNEY: Okay. For the record. I don't believe that that area is included within the area

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requested for special field rules.

COMMISSIONER LAY: Your comments are noted. Mr. McMahon, if you would like to proceed with your --

MR. MCMAHON: I'm David McMahon. I'm a lawyer. By profession, I'm the lawyer for low income people and have written a book on surface owner's rights and I know the area.

I appear in support of the general proposition for special field rules in this matter. I do not have particular evidence regarding what the spacing should be, but I appear because the presumption behind the spacing is that these wells in the Marcellus formation will be declared -- are deep wells and will be treated by this Commission to be deep wells, which I think they should be. That will allow force pooling unitization which would limit the number of wells drilled on surface owners. Full unitization is good for everyone, but the people that get paid by the well, I've always thought fewer wells on surface owners. The mineral owners will have fewer costs in getting the minerals out because of fewer wells. reservoir pressure will not be wasted in getting out gas from more wells than are necessary. Environmentally. there's less risk with less wells.

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In addition, I should have mentioned earlier at the pre-con that, of course, there is also a surface owners' right to consent on certain, though not many, of the deep wells.

I support the Commission's definition of interpretation of the rules that these are deep wells. I think there's a good public policy to have pooling unitization for as many wells as possible. From my knowledge of the history, the only distinction between deep wells and shallow wells for this purpose was a political compromise over whether pooling unitization shall reach the shallow wells, to wells that are drilled to shallower formations.

I appreciate the Commission hearing my comments.

COMMISSIONER LAY: Thank you. Next.

MR. GOTTLIEB: I'm Richard Gottlieb here on behalf of Penn Virginia Oil and Gas. Mr. Chairman, we submitted comments dated May 4th, 2007 that reflected Penn Virginia's position which is that it supports Chesapeake's need to drill down the 75 foot for purposes of fully developing this Marcellus shale formation.

Penn Virginia challenges and the only

thing it challenges here is this Commission's ability to grant the spacing request that Chesapeake has made here today. That objection is based on two things.

One is the statute itself, as explained in the letter, that we believe that the clear intent of the Legislature is to not have these type of special peer rules for spacing in this rather large area permitted by this Commission or the Shallow Gas Well Commission or anyone, that this simply needs to be special field rules pertaining to the more shallow shale is not permitted under the state.

And I will not belabor the discussion we had earlier about the rules of statutory construction and why we believe our interpretation is correct and this Commission's prior interpretation is incorrect.

The other observation I would make is that Mr. Rothman discussed the 1,800 potential wells in this area. I believe that there is a concern with entities, such as Penn Virginia, or Equitable Production, or anyone else, that when the Commission operates in this fashion, it's certainly not clear from the face of the application what effect it might have on the ability of other producers that have existing rights to develop shallow gas wells in the affected acreage.

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And notwithstanding Mr. McMahon's personal plea in favor of spacing, pooling, and a lot of that's in the interest of surface owners, the fact is our Supreme Court has recognized that producers with valid leases also have rights.

The law of capture as reflected in the Supreme Court case that I cited in my letter recognizes that with respect to shallow formations, the law of capture still applies. I don't believe the Legislature intended to do away with that law of capture; in fact, to the contrary. I think it's made very clear what the Legislature's intent was that with respect to shale formation, that would not have the special fields and the regulations were written in accordance with that legislative intent.

In summary, we oppose for both legal reasons. And it's certainly not clear that pooling, forced pooling or otherwise will truly protect the other producer's rights in these respected fields to the extent that they want to go in and drill other wells within this acreage. I don't believe that this Commission should limit the rights of these other producers if it doesn't have the clear statutory authority to do so. Thank you.

COMMISSIONER LAY: Next.

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MR. PRESERVATI: I'll go ahead and start. Thank 2 you, Mr. Chairman. I'm Nick Preservati on behalf of 3 Pocahontas Land Corporation and Argas Energy, both of which are coal owners and operators within the area affected 4 5 within the application by Chesapeake. I'll reiterate 6 several of the objections made in our correspondence to the Board yesterday. 8 One being, echoing Mr. Gottlieb's comments. that we believe this Board, this Commission, is 9

actually without jurisdiction to hear this application.

I believe the Commission is limited to only addressing issues related to deep wells, not shallow wells. Our position is, in order to be a deep well, it must be drilled and completed in the Onondaga. The wells subject to this application are not and that was stated. simply on the face of the application by Chesapeake, that they would not be going into and completing in the Onondaga.

For that reason, we believe that the Commission is without jurisdiction to hear this. It should deny the application and it should be taking up spacing issues with the Shallow Gas Well Review Board.

That leads to my second objection based

upon due process. If the coal operators and coal owners are being denied their ability to object on spacing requirements, for what is, in essence, shallow wells, under the shallow gas well statute, 22C-8-A, we have the ability to object to any well within 2,000 feet of another well and the operator has to show need for that specific well to go under the 2,000 foot limitation.

That provision also prohibits any wells under 1,500 feet spacing of another well. We believe that these are shallow wells and those provisions should be applied to the special field rules in this case.

We're not talking about one well and one spacing application here on a case-by-case basis. They're asking this Board to deny or grant spacing approximately 1,000 feet for 1,800 wells. That's a significant impact on coal operations within this area of my clients, basically by allowing them to go under the 2,000 feet and 1,500 feet, stripping the coal owners and operators of their ability to protect their reserves and ensure that there's adequate spacing to allow them to access their resources.

Therefore, again, we're asking that the requirements of 22C-8-8A be incorporated by this Commission in the application, or in the order granting special field

1 | rules, that the Commission does grant the application.

Again, just for the record, we will also object on the issue of the notice, the denial of due process by trying to change distance limitations of the shallow wells through this proceeding and again denying the coal operators and owners of specific individual access by certified mail to which they are entitled as a matter of law under the shallow gas well regulatory framework.

They have not had the opportunity to have the application and to review it in opportunity to protect their rights as would be required under the shallow gas well statutes.

We also object to any other operators trying to piggyback onto this request due to subsequent procedure of due process of lack of notice. The notice provided by Chesapeake was limited specifically to Chesapeake, no other operators did appropriate notice with the legal advertisements, et cetera. People reviewing those notices in the paper would see it limited to Chesapeake. When you're considering lease lines, et cetera, within that area, other coal operators or owners might look at that and say "Chesapeake's not on us. We're not affected by this. They don't have a lease on us. It's

not an issue." The scope of it increases significantly when you add other operators and special field rules. So, we object on that ground as well.

And lastly, we request that the Board require a placement of H2S monitors as part of the special field rule. Thank you.

COMMISSIONER LAY: Next.

MR. SULLIVAN: Ben Sullivan, on behalf of Equitable Production Company. Just wanted to state that we don't have any specific objections to Chesapeake's application here today, although we do feel that there was no due process to Equitable or any other producers in the area that our wells, be they shallow or deep, will be affected. The notice states on its face that only Chesapeake's wells are going to be affected by these special field rules.

I do understand that the special field rule regulations enacted do specifically -- not specifically, but typically address certain fields rather than only certain producers in those fields.

In light of the special field rule that it was very similar to this application of Chesapeake's that was granted to Eastern American, which only did apply

to Eastern American - it did not apply to any other wells or any other producers in that field - we would object to our wells or our drilling plans being impacted in any way whatsoever by this special field or application for due process notification reasons. That's really all I have to say to that.

MR. KEIM: Jeffrey Keim, Cabot Oil and Gas. Cabot has no objection to Chesapeake's request for special field rules. If the Board so finds to have the order granting special field rules to Chesapeake, whether in whole or in part, in contrary to its previous written request, we wish that these rules not apply to our leases.

COMMISSIONER LAY: Other?

MR. HELDMAN: Roger Heldman with East Resources. Mr. Rothman's and Mr. Schindler's testimony we've seen exactly the same problems. We drilled one Marcellus ourselves and that's the exact same problems. We agree with them and I think we would ask that it would apply to other operating wells. That's probably the path that we would take to try to develop --

COMMISSIONER MARTIN: Let me back up to Cabot. At the end of your statement, did you say that you wanted this to apply to other operators or did not want this to

do not.

apply to operators?

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MR. KEIM: We do not want it to apply to Cabot,

COMMISSIONER MARTIN: You do not want it to apply to Cabot. Okay. Thank you.

COMMISSIONER LAY: Other? Mr. Tawney.

MR. TAWNEY: Your Honor, my name is Kenneth Tawney here on behalf of Petro Edge Group, Petro Edge Resources, WV, LLC, North Star Energy Corporation, and Trans Energy Corporation.

Petro Ed has filed and North Star and Trans Energy are now joining in the initial protest that was filed in writing. I won't try to reiterate everything that's written there, but simply note that we also object to the Commission's interpretation of whether this is a deep well or a shallow well, and we believe that they are more appropriately considered to be shallow wells.

Beyond that, reserving that legal argument, we would support Chesapeake's request for special field rules to be applied to this area. We agree with all of the evidence that's come in today that outlines the reasons for why it is necessary to drill 75 feet into the Onondaga and the reasons why 3,000 foot spacing would be

inappropriate.

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We agreed with Penn Virginia that the better approach would be to simply apply no spacing requirement at all to these wells, but if the Commission sees fit to apply any spacing limitation to their request, then 1,000 should not be -- it should not be anymore than 1,000 feet.

Petro Ed, North Star, and Trans Energy would ask that any acreage that they have or in the future acquire in this area be included within the special field rules that is issued in this proceeding.

COMMISSIONER LAY: Any other?

MR. PRESERVATI: I just wanted to make sure I clarify one of my objections earlier. On the piggybacking of the other operators, I want to make clear for the record that our object is; 1) we don't believe the other operators are legally allowed to piggyback on this application.

And if the Board so finds, we also object on the notice, even if they are allowed, the notice was improper in this instance to allow others to do it. So, I just want to clarify that on the record.

COMMISSIONER LAY: I understand. Any other?

MR. CUNNINGHAM: Can I just ask a question? Is

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that appropriate?

COMMISSIONER LAY: It depends on what your -let's hear your question and then we'll determine whether you can ask it or not. How's that?

MR. CUNNINGHAM: Greg Cunningham with Dominion E & P. Are the wells, the Marcellus wells, going to be commingled with the shallower production?

COMMISSIONER LAY: That's something that we did not take testimony on. These are treated purely as -- in this particular case, I think it's really irrelevant whether they're commingled or not, because our purpose for this meeting is because they're going 75 feet into the -or proposing to go 75 feet into the Onondaga, not because they're Marcellus or Barrera, Big Engine, whatever.

MR. CUNNINGHAM: The reason of my question is the spacing pooled issue. That's okay.

MR. TAWNEY: If I may, permit me to clarify one position for Petro Ed and for North Star and Trans Energy. Yes, if there is any spacing room greater than 1.000 feet. then they will not want to open their acreage into special field rules.

(Break taken.)

COMMISSIONER LAY: At this point, after a modest

amount of deliberation, the Commission has decided that we will not render a decision today. We will --

MR. SULLIVAN: Surprise, surprise.

COMMISSIONER LAY: We've got several issues that we are looking at, and we will wait for transcripts. We will evaluate the evidence again, along with the Commission's counsel and address all of the objections and comments during that deliberation and let you know at that time.

I'm going to go ahead and close the record, because we're not going to take any additional evidence. We are going to deliberate. So, we'll close the record and at such time as we make a decision, we will notice the parties and we will probably ask for draft orders from all interested parties who wish to participate in the process. Anything else that I've forgotten? We'll close the record. Thank you.

(WHEREUPON, the hearing was concluded.)

REPORTER'S CERTIFICATE

STATE OF WEST VIRGINIA COUNTY OF KANAWHA, to-wit:

I, the undersigned, Pamela I. Wood, do hereby certify that the foregoing is, to the best of my skill and ability, a true and accurate transcript of all the testimony as set forth in the caption hereto.

Given under my hand this 17th day of May, 2007. My commission expires May 6, 2017.

PAMELA I. WOOD - CCR - NOTARY PUBLIC



Seal



LAW DEPARTMENT

April 13, 2007

Ms. Cindy Raines
Oil & Gas Conservation Commission
601 57th Street
Charleston, WV 25304

Re: Special Field Rules

Dear Ms. Raines:

Keith E. Moffatt Senior Attorney 900 Pennsylvania Avenue P. O. Box 6070 Charleston, WV 25362-0070

DD: 304.353.5221 Fax: 304.353.5234

Email: kmoffatt@chkenergy.com

Pursuant to West Virginia Code §22C-9 and the Title 39, Series One, Rules of the Commission, Chesapeake Appalachia, L.L.C. ("Chesapeake") hereby requests a hearing before the Oil & Gas Conservation Commission ("Commission") for the establishment of Special Field Rules. This request is based upon the following facts and circumstances.

Chesapeake is active in drilling wells to the Marcellus Shale formation in portions of Lincoln, Logan, Boone, Mingo and Kanawha Counties, West Virginia. The Marcellus Shale sits directly above the Onondaga Limestone. In West Virginia, pursuant to West Virginia Code §22C-9-2(12), a deep well is defined as any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the Onondaga Group. The definition of a shallow well pursuant to West Virginia Code §22C-9-2(11) is any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group": Provided, that in drilling a shallow well the operator may penetrate into the "Onondaga Group" to a reasonable depth, not to exceed twenty feet, in order to allow for logging and completion operations, but in no event may the "Onondaga Group" formation be otherwise produced, perforated or stimulated in any manner.

By virtue of the twenty (20) foot drilling limitation in the Onondaga Group, Chesapeake is not able to completely evaluate, treat and stimulate the entire section of the Marcellus Shale. Accordingly, in the area shown on the attached map, Chesapeake wishes to drill wells to a total depth not to exceed seventy-five (75) feet into the Onondaga Limestone. Chesapeake has no intention to produce, perforate or stimulate the Onondaga in any manner at the present time. The purpose for drilling seventy-five (75) feet into the Onondaga is to allow sufficient rat-hole for logging and completion of the Marcellus Shale. Although the Marcellus Shale is a shallow formation, Chesapeake is required to apply for a deep well permit by virtue of the above definitions. In order to avoid leaving natural gas reserves in place, it is not prudent to develop the Marcellus Shale fields

utilizing the required deep well spacing of 3000 feet between wells and 400 feet from the lease line or unit boundary. Therefore, Chesapeake is requesting Special Field Rules establishing 1000 foot spacing between wells, and providing that each well be located not less than 50 feet from the lease line or unit boundary. The Special Field Rules would apply to those wells drilled by Chesapeake to a total depth not to exceed seventy-five (75) feet into the Onondaga Limestone. Chesapeake would agree not to produce, perforate, frac or otherwise stimulate the Onondaga Group, unless and until it obtained a further Order from the Commission. In addition, with regard to deep well permits for Marcellus Shale wells in the subject area, Chesapeake requests that the Special Field Rules provide that Chesapeake would not have to conduct a pre-spud meeting prior to commencing drilling operations or prepare and submit a well site safety plan for each such deep well.

As you know, the public policy of this State is to foster, encourage and promote exploration for the development, production, utilization and conservation of oil and gas resources. The Commission is charged with the obligation to prohibit waste of oil and gas resources and encourage the maximum recovery of same. Chesapeake's request for Special Field Rules is consistent with this public policy because it will permit Chesapeake to efficiently and adequately explore, stimulate, treat and produce the Marcellus Shale.

Chesapeake realizes that a notice of a pre-hearing conference to the Commission and affected operators is required pursuant to the West Virginia Code of State Regulations, Title 39, Series 1 section 6.1. Chesapeake will provide this notice to the Commission after it receives notice that a hearing date has been set. Since Chesapeake does not anticipate any opposition to its request for Special Field Rules, Chesapeake requests that the Commission schedule the pre-hearing conference and hearing on the same day.

Thank you for your consideration of this matter. If you have any questions, please feel free to call me at the above number or Brett Loflin at 391-5518.

Sincerely,

Keith E. Moffatt

Attachment

cc: Brett Loflin – Chesapeake Appalachia, L.L.C. Eddy Grey – Chesapeake Appalachia, L.L.C.

Operators to whom Notice of Pre-hearing Conference was sent.

ADKINS, FRANKLIN

ALLEN & JESSIE GAS WELLS INC

ALLIANCE RESOURCES INC

BARTRAM, I DAVID

BASE PETROLEUM, INC.

BATES, OTTELIA

BEVINS, EARL C.

BIG C PRODUCTION & PROCESSING INC

BILL & JESSIE INC

BLAZER ENERGY CORP.

BOONE EAST DEVELOPMENT

BOYD O & G INC.

BRADY RESOURCES, INC.

BRADY RESOURCES, INC.

BREWER NATURAL GAS, LLC

CABOT OIL & GAS CORPORATION

CALVERT COMPANY

CAMERON GAS COMPANY

CAMERON OIL & GAS COMPANY

CLASSIC OIL & GAS RESOURCES INC

CLASSIC OIL & GAS RESOURCES INC

CRUM, M V GAS PARTNERS

D & P GAS COMPANY INC

DAVIS, MICHAEL

DEEP FORD GAS COMPANY

DOMINION EXPLORATION & PRODUCTION INC

DRIOC ACQUISITIONS LLC

EAST RESOURCES, INC.

EASTERN AMERICAN ENERGY CORP

EMAX OIL COMPANY

ENERVEST OPERATING L. L. C.

EQUITABLE PRODUCTION COMPANY

FREEDOM OIL & GAS INC

GAS SUPPLY CORP

GEOEX, INC.

GIBRALTAR GAS, INC.

GILBERT EXPLORATION COMPANY INC

GUYAN GAS PRODUCERS, INC.

HOUSTON EXPLORATION COMPANY

HUNTINGTON OKLAHOMA OIL CO

J M L OIL & GAS COMPANY

JACKSON RESOURCES CO

K & R OPERATING CO.

KINZER, J. W.

KIRTLEY, RALPH

KV OIL & GAS, INC.

LINN OPERATING, INC

M & M OIL AND GAS DEVELOPMENT CO INC

MAHUE CONSTRUCTION COMPANY

MALCOLM, D C INC



MARTIN-STOWERS MILLS DRILLING CO INC MOUNTAIN VOIL & GAS, INC. MOUNTAINEER GAS SERVICES, INC. MURVIN & MEIER OIL CO. MYERS DRILLING COMPANY NEW RIVER ENERGY CORPORATION NEW RIVER ENERGY CORPORATION NORTH COAST ENERGY EASTERN P. D. T. DRILLING LIMITED PARTNERSHIP PAYNE GAS CO PENN VIRGINIA OIL AND GAS CORPORATION PETROEDGE RESOURCES (WV), LLC PMJ, INC. PRIME OPERATING COMPANY QUALITY NATURAL GAS, LLC QUALITY NATURAL GAS, LLC RICHNER, C. E. ROSS & WHARTON GAS CO INC SHEWEY, C. F., AGENT SIGMA CORPORATION SIMCON OIL AND GAS CORPORATION STOWERS ENERGY, LLC SWEETLAND PRODUCTION CO TEDIK LTD. PARTNERSHIP TRIAD RESOURCES, INC. TUG FORK DEVELOPMENT WAYNE GAS COMPANY WELLS, H. D. OIL & GAS EXP. & DEV. INC. WETZEL GAS COMPANY

JAN. James martin

Company Phone Name Address - Barry Lay Charleston, WV MN OPCC 539-3031 WVOGCC Bob Kadabayh Sord Fock W 462-7006 Retrief 472-3223 anthony Mum Bucklam, We 346-1431 Charleston, W Nick Preservati Preservati Lar/Poca Land 385-4951 Aras Energy RANDAL MAGGAD DONULLE WU 353-5221 (he sepeake Keith MOFFATT Charleston, WV 741-4464 CHESAVEAKE BRETT LOFLIN CHURCESTON, W COMINION ETP 934-2000 TRES CUNNINGHAM SAVE LEW, WU Pouz Rel And Lew in Dominion Exp 889-2000 Mark Kinder Bluetiald WV Pocahontes Land 324-2417 David Mellyhon Chemlosolom Mr style Sisting Clarry Kechand Wousdan, TX Petro Edge 414-4288 713-954-3652 Kenneth lawney Charleston Jackson Kelly 340-1189 TACKFUSEUR TEAST RESOURCES 480-2220 Timotity Rousit 480 2213 tojer Heldman 353-5205 Ed Rothman Charleston, WV Chesapeake 542-1655 Rob Schindler 353-5149 Jeff Cable Y Lewis, Gloss, Casq KIChaw Gottles 745-200 Jett Many Jim ABCOUNTER 340-020 NORTHSTAR + TRANS EN. 347-1600 JEFF KEIM CABOTOIL & GAS WAP. CHRIS MULLEN ECA DON Suppe ECA 925-6100 Becky Barnes EPC 348-3808 Charleston VICKI Dugan, Charleston. WV Equitable 348-3845 344-3830 Ben Sullivan EPC Greg Franz Charleston

CHK CHK 353-5105 383-5180

Name Address Conpany phine Talmades Hager Chale-for, wr Chesapeaks 303-5760 June 1988 Comment of the second Legacy to the State B .

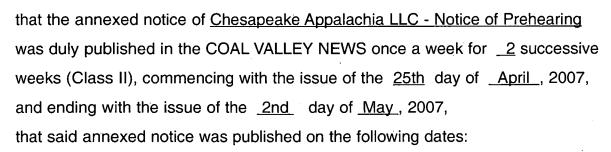
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 $\Sigma^{\pm} = \Xi^{\pm} \mu$

AFFIDAVIT OF PUBLICATION

STATE OF WEST VIRGINIA COUNTY OF BOONE, to-wit:

I, Angela M. Alexander-Adkins, being dulysworn, upon my oath, do depose and say that I am General Manager of the corporation entitled Heartland Publications LLC, publishers of the COAL VALLEY NEWS, that such newspaper has been published for more than one year prior to publication of the approved notice described below; that such newspaper is regularly published weekly, for at least fifty weeks during the calendar year, in the municipality of Madison, Boone County, West Virginia; that such newspaper is a newspaper of "general circulation" as that term is defined in article three, 1931, as amended, within the publication area of the aforesaid municipality; that such newspaper averages in length four or more pages, exclusive of any cover per issue; that such newspaper is a newspaper to which the general public resorts for passing events of a political, religious, commercial and social nature and for current happenings, announcements, miscellaneous reading matters, advertisements and other notices;



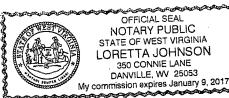
<u>4-25, 5-2</u>, 2007

and the cost of publishing said annexed notice as aforesaid was <u>\$1071.00</u>

Angela M. Alexander-Adkin

Taken, subscribed and sworn to before me in my said county this <u>2nd</u> Day of <u>May</u>. My commission expires January 9, 2017.

Notary Public of Boone County West Virginia



EXHIBIT



CHARLESTON NEWSPAPERS

P.O. Box 2993 Charleston, West Virginia 25330 Billing 348-4898 Classified 348-4848 1-800-WVA-NEWS

LEGAL ADVERTISING INVOICE

INVOICE DATE	05/02/0/
ACCOUNT NBR	073150103
SALES REP ID	0020
INVOICE NBR	410576001

EXHIBIT Ch - 3

05/02/07

0020

073150103

410576001

CHESAPEAKE APPALACHIA LLC

900 PENNSYLVANIA AVENUE CHARLESTON WV

WV 25302 USA

BILLED TO

RECEIVED
MAY 0 4 2007

ACCOUNTS PAYABLE

Please return this portion with your payment.

Make checks payable to: Charleston Newspapers

AMOUNT PAID:



CHARLESTON NEWSPAPERS

P.O. Box 2993

Charleston, West Virginia 25330 Billing 348-4898

Classified 348-4848 I-800-WVA-NEWS Legal pricing is based upon 63 words per column inch.

INVOICE DATE

ACCOUNT NBR

SALES REP ID

Each successive insertion is discounted by 25% of the first insertion rate.

The Daily Mail is at a rate of \$.14 per word, and the Charleston Gazette is at a rate of \$.14 per word.

AD SIZE DESCRIPTION ISSUE AD RATE GROSS AMOUNT NET AMOUNT PUB AD NUMBER reference nbr Purchase Order # TOTAL RUN TYPE DATE 0280385 5X1550 GΖ Special Field Rules LEGF 04/24 77.50 8.82 683.55 683.55 410576001 Tinki Will 5X1550 05/01 Special Field Rules GΖ LEGR 77.50 8.82 683.55 110576002 Tinki Will 170.89-512.66 LEGAL DISCOUNT 25% 1196.21 TOTAL INVOICE AMOUNT

State of West Virginia,

AFFIDAVIT OF PUBLICATION

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of

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
LYNN R. FIELDER
253 FRAZIER WAY
SCOTT DEPOT, WV 25560

THE CHARLESTON GAZETTE, A DAILY DEMOCRATIC NEWSPAPER, SCOTT DEPOT, WV 25560 published in the city of Charleston, Kanawha County, West Virginia, do solemnly swear that the annexed notice of Special Field Rules Preh

was duly published in said paper(s) during the dates listed below, and was posted at the front door of the court house of said Kanawha County, West Virginia, on the 25TH day of APRIL 2007. Published during the following dates: 04/24/07/05/01/07

Subscribed and sworn to before me this

Printers fee \$ 1196.21

Notary Public of Kanawha County, West Virginia

Publishers Of: The Lincoln Journal / The Weekly News Sentinel / The Lincoln Times

AFFIDAVIT OF PUBLICATION

STATE OF WEST VIRGINIA COUNTY OF LINCOLN, to wit:

I, THOMAS A ROBINSON, Publisher, being duly sworn upon my oath do depose and say that I am proprietor of the entitles:

The Lincoln Journal; plus our internet site www.lincolnjournal.com where your legal advertisement appeared at no extra cost to you; that such paper has been published for more than one year prior to publication of the annexed notice described below; that such newspaper is regularly published weekly, for at least fifty weeks during the calendar year, the Municipality of Hamlin, Lincoln County, West Virginia; that such newspaper is newspapers of "general circulation" as that term is defined in article three, chapter fifty-nine of the Code of West Virginia 1931, as amended, within the publication area or areas of the aforesaid municipality and county; that such newspapers average in length of four or more pages, exclusive of any cover, per issue; that such newspapers is circulated to the general public at a definite price or consideration; that such newspaper is newspaper to which the general public resorts for posting of a political, religious, commercial and social nature, and for current happenings, announcements, miscellaneous reading matters, advertisements, and other notices; that the annexed notice of

Notice Of Intent To Obtain General Permit Registration

was duly published in said newspapers once a week for <u>1</u> week(s), commencing with the issue <u>25th</u> day of <u>April 2007</u> and ending with the issue of the <u>25th</u> day of <u>April 2007</u> that said annexed notice was published on the following dates: <u>April 25, 2007</u>

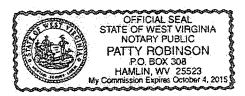
Thomas A Robinson, Publisher

Taken, subscribed and sworn before me in my said county this 28th day of April 2007.

Tatty Rolunson

Patty Robinson, Notary Public of Lincoln County, West Virginia.

My commission expires October 4, 2015.



I, Richard Osborne, publisher of THE LOGAN BANNER, a newspaper published in Logan County, West Virginia, do hereby certify that the annexed notice was published in said paper for 2 successive time(s) on the following date(s):

April 24th, & May 1st, 2007

Given under my hand this 3rd day of May, 2007

PUBLISHER

State of West Virginia County of Logan, to-wit:

Subscribed and sworn before me this 3rd day of May, 2007

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
DOTTIE J. HATFIELD
405 Wilson Street
Logan, West Virginia 25601

My Commission Expires March 10, 2013

NOTARY PUBLIC

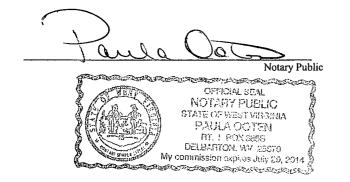
Cost of Publication: \$624.62

COPY OF PUBLICATION

SEE ATTACHED

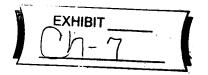


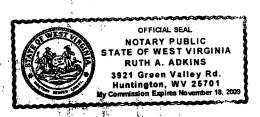
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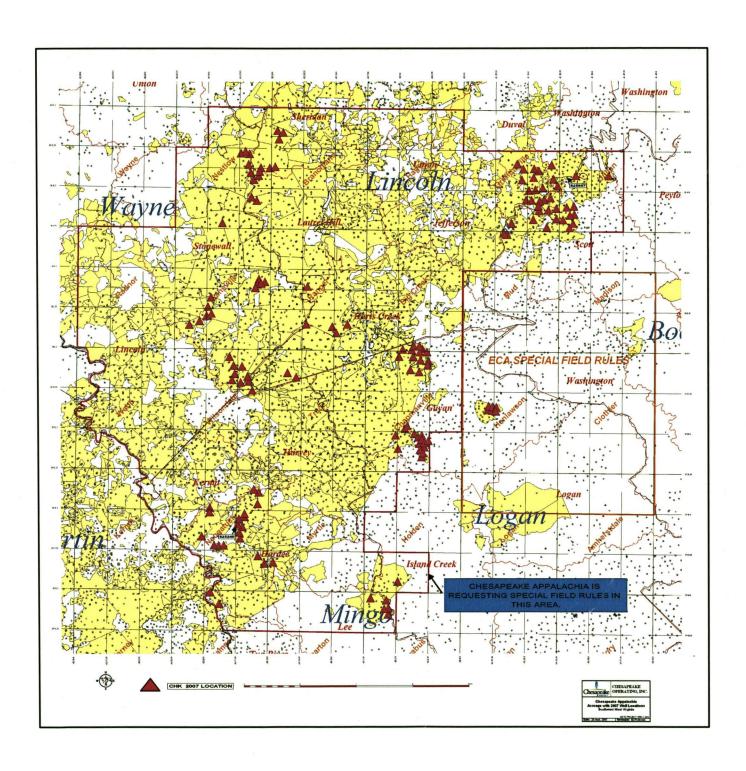


Affidavit of Legal Publication and Posting STATE OF WEST VIRGINIA COUNTY OF WAYNE, TO-WIT:

I, Thomas J. George publisher of the WAYNE COUNTY NEWS, a newspaper published in the COUNTY OF
WAYNE, STATE OF WEST VIRGINIA
hereby certify that the annexed publication was inserted in said newspaper on the following dates:
l _
-UPUZT, 2001
<u>April 24, 2007</u> <u>May 1, 2007</u>
commencing on the 24
day of
Given under my hand this day
of 20 07
Sworn to and subscribed before me this
Sworn to and subscribed before me this
lot_day of May,
20, at Wayne, Wayne County, West
Virginia
NOTARY PUBLIC
of, in and for WAYNE COUNTY, WEST
VIRGÍNIA.
MY COMMISSION EXPIRES: Nov. 18, 2009
Amount Due for Publishing Annexed Notice:
s 415.67









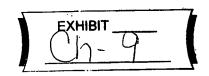
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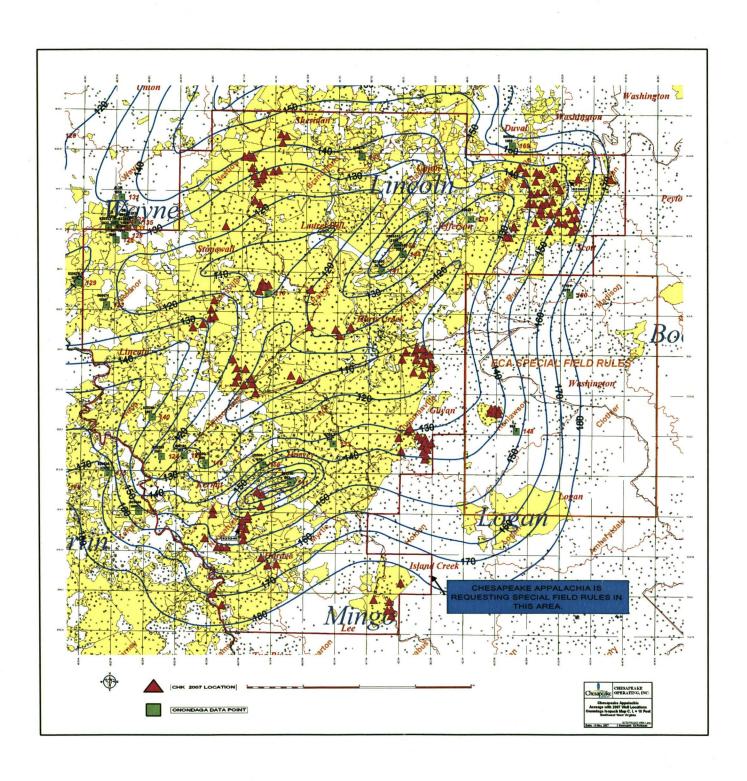
CHESAPEAKE ENERGY

LITTLE STEP ENTERPRISES 825240

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State/Prov=WV 47043232460000 181504 ft CHESAPEAKE ENERGY
MOHLER LUMBER 825857
County=LINCOLN
State/Prov=WV RHINESTREET SHALE TD=4356 MARCELLUS SHALE ONONDAGA LIMESTONE Chesapeake TD=4700









Oil and Gas Conservation Commission 601 57th Street, Charleston, WV 25304

Joe Manchin III, Governor Stephanie R. Timmermeyer, Cabinet Secretary www.wvdep.org

Newspaper the Commission sent notice of Hearing

April 19, 2007

Coal Valley News Attention: Legal Ad P O Box 508 Madison, WV 25130

RE: Legal advertisement

Dear Sir:

Please publish the enclosed "Notice of Hearing" as a legal advertisement on Wednesday, May 1, and again on Wednesday, May 8, 2007. Please send invoice and certification to:

Oil and Gas Conservation Commission Attention: Cindy Raines 601 57th Street, SE Charleston, WV 25304

Cindy Raines

If you have any questions, please call me at 304.926.0499, ext 1656.

Sincerely,

Cindy Raines

Adm. Secretary



Oil and Gas Conservation Commission 601 57th Street, Charleston, WV 25304

Joe Manchin III, Governor Stephanie R. Timmermeyer, Cabinet Secretary www.wvdep.org

April 19, 2007

Lincoln Journal P O Box 308 Hamlin, WV 25523

RE: Legal advertisement

Dear Sir:

Please publish the enclosed "Notice of Hearing" as a legal advertisement on Wednesday, May 1, and again on Wednesday, May 8, 2007. Please send invoice and certification to:

Oil and Gas Conservation Commission Attention: Cindy Raines 601 57th Street, SE Charleston, WV 25304

Cindy Raines

If you have any questions, please call me at 304.926.0499, ext 1656.

Sincerely,

Cindy Raines

Adm. Secretary



Oil and Gas Conservation Commission 601 57th Street, Charleston, WV 25304

Joe Manchin III, Governor Stephanie R. Timmermeyer, Cabinet Secretary www.wvdep.org

April 19, 2007

Logan Banner 735 Stratton Street Logan, WV 25601

RE: Legal advertisement

Dear Sir:

Please publish the enclosed "Notice of Hearing" as a legal advertisement on Wednesday, May 1, and again on Wednesday, May 8, 2007. Please send invoice and certification to:

Oil and Gas Conservation Commission Attention: Cindy Raines 601 57th Street, SE Charleston, WV 25304

Cindy Raines

If you have any questions, please call me at 304.926.0499, ext 1656.

Sincerely,

Cindy Raines

Adm. Secretary



Oil and Gas Conservation Commission 601 57th Street, Charleston, WV 25304

Joe Manchin III, Governor Stephanie R. Timmermeyer, Cabinet Secretary www.wvdep.org

April 19, 2007

Charleston Daily Mail Attention: Legal Ad 101 Virginia Street, East Charleston, WV 25301

RE: Legal advertisement

Dear Sir:

Please publish the enclosed "Notice of Hearing" as a legal advertisement on Wednesday, May 1, and again on Wednesday, May 8, 2007. Please send invoice and certification to:

Oil and Gas Conservation Commission Attention: Cindy Raines 601 57th Street, SE Charleston, WV 25304

Cindy Raines

If you have any questions, please call me at 304.926.0499, ext 1656.

Sincerely,

Cindy Raines

Adm. Secretary



Oil and Gas Conservation Commission 601 57th Street, Charleston, WV 25304

Joe Manchin III, Governor Stephanie R. Timmermeyer, Cabinet Secretary www.wvdep.org

April 19, 2007

Gilbert Times P O Box 1135 Gilbert, WV 25621

RE: Legal advertisement

Dear Sir:

Please publish the enclosed "Notice of Hearing" as a legal advertisement on Wednesday, May 1, and again on Wednesday, May 8, 2007. Please send invoice and certification to:

Oil and Gas Conservation Commission Attention: Cindy Raines 601 57th Street, SE Charleston, WV 25304

Cindy Raines

If you have any questions, please call me at 304.926.0499, ext 1656.

Sincerely,

Cindy Raines

Adm. Secretary



Oil and Gas Conservation Commission 601 57th Street, SE Charleston, West Virginia 25301 Joe Manchin III, Governor www.wvdep.org

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY CHESAPEAKE APPALACHIA, LLC FOR AN ORDER FROM THE COMMISSION ESTABLISHING SPECIAL FIELD RULES IN BOONE, KANAWHA, LINCOLN, LOGAN AND MINGO COUNTIES, WEST VIRGINIA COVERING BRANCHLAND, HAGER. JULIAN, NESTLOW. GRIFFITHSVILLE, RADNOR, KAIHSVILLE, RANGER, BIG CREEK, MUD, WEBB, WILSONDALE, TRACE, CHAPMANVILLE, KERMIT, NAUGATUCK, MYRTLE, **DELBARTON** WILLIAMSON. HOLDEN BARNABUS QUADRANGLES.

DOCKET NO. 179

CAUSE NO. 164

NOTICE OF HEARING

Chesapeake Appalachia, LLC (Chesapeake) has requested a hearing before the Commission for the establishment of special field rules covering Boone, Kanawha, Lincoln, Logan and Mingo Counties. Chesapeake wishes to drill several Marcellus shale wells in the designated area. Although the Marcellus is a "shallow" formation, Chesapeake proposes to drill 75 feet into the Onondaga limestone to enable the logging and completion of the entire Marcellus shale section. Chesapeake will not perforate or complete any formation below the base of the Marcellus shale formation; however, by definition, since the proposed wells will be drilled in excess of twenty feet into the Onondaga limestone, they will be considered deep wells. Therefore, Chesapeake is requesting the Commission set spacing for the proposed wells to conform to the following: 1000' between wells and 50' from a lease line or unit boundary.

Notice of the pre-hearing conference was given as required by law by Chesapeake Appalachia, LLC to all interested parties.

DATE: May 17, 2007

TIME: immediately following the 9:00 pre-hearing

PLACE: Department of Environmental Protection

Oil and Gas Conservation Commission

601 57th Street, SE Charleston, WV 25304

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

By:

Barry K. Lay, Commissioner

Dated this 19th day of April, 2007, at Charleston, West Virginia.

Promoting a healthy environment.

EXHIBIT

B___



LAW DEPARTMENT

April 23, 2007

Re:

Ms. Cindy Raines
Oil & Gas Conservation Commission
601 57th Street
Charleston, WV 25304

Docket No. 179, Cause No. 164

Request by Chesapeake Appalachia, L.L.C. For An Order Establishing Special Field Rules – Boone, Kanawha, Lincoln, Logan, Mingo and Wayne Counties, West Virginia

Dear Ms. Raines:

Enclosed you will find a "Notice of Prehearing Conference" relating to the captioned matter. For your information, this prehearing conference notice has been sent by certified mail to the operators shown on the attached list and has been sent to the following newspapers: Coal Valley News, Lincoln Journal, Logan Banner, Wayne County News, The Charleston Gazette and the Williamson Daily News, for Class 2 publication.

Should you have any questions, feel free to call me.

Sincerely,

Tinki M. Williams

Chesapeakie Pre-hearing hotice w/ map and a list of all appeated operators

Tinki M. Williams Paralegal

P. O. Box 6070

DD:

900 Pennsylvania Avenue

Charleston, WV 25362-0070

Email: twilliams@chkenergy.com

304.353.5180

Fax: 304.353.5234

Attachment

cc: Brett Loflin – Chesapeake Appalachia, L.L.C.

Eddy Grey - Chesapeake Appalachia, L.L.C.

Keith E. Moffatt - Chesapeake Appalachia, L.L.C.

W:\Tinki\Special Field Rules\Raines.PrehearingNotice.4.23.07.doc

Operators to whom Notice of Pre-hearing Conference was sent.

ADKINS, FRANKLIN

ALLEN & JESSIE GAS WELLS INC

ALLIANCE RESOURCES INC

BARTRAM, I DAVID

BASE PETROLEUM, INC.

BATES, OTTELIA

BEVINS, EARL C.

BIG C PRODUCTION & PROCESSING INC

BILL & JESSIE INC

BLAZER ENERGY CORP.

BOONE EAST DEVELOPMENT

BOYD O & G INC.

BRADY RESOURCES, INC.

BRADY RESOURCES, INC.

BREWER NATURAL GAS, LLC

CABOT OIL & GAS CORPORATION

CALVERT COMPANY

CAMERON GAS COMPANY

CAMERON OIL & GAS COMPANY

CLASSIC OIL & GAS RESOURCES INC

CLASSIC OIL & GAS RESOURCES INC

CRUM, M V GAS PARTNERS

D & P GAS COMPANY INC

DAVIS, MICHAEL

DEEP FORD GAS COMPANY

DOMINION EXPLORATION & PRODUCTION INC

DRIOC ACQUISITIONS LLC

EAST RESOURCES, INC.

EASTERN AMERICAN ENERGY CORP

EMAX OIL COMPANY

ENERVEST OPERATING L. L. C.

EQUITABLE PRODUCTION COMPANY

FREEDOM OIL & GAS INC

GAS SUPPLY CORP

GEOEX, INC.

GIBRALTAR GAS, INC.

GILBERT EXPLORATION COMPANY INC

GUYAN GAS PRODUCERS, INC.

HOUSTON EXPLORATION COMPANY

HUNTINGTON OKLAHOMA OIL CO

J M L OIL & GAS COMPANY

JACKSON RESOURCES CO

K & R OPERATING CO.

KINZER, J. W.

KIRTLEY, RALPH

KV OIL & GAS, INC.

LINN OPERATING, INC

M & M OIL AND GAS DEVELOPMENT CO INC

MAHUE CONSTRUCTION COMPANY

MALCOLM, D C INC

MARTIN-STOWERS MILLS DRILLING CO INC MOUNTAIN VOIL & GAS, INC. MOUNTAINEER GAS SERVICES, INC. MURVIN & MEIER OIL CO. MYERS DRILLING COMPANY **NEW RIVER ENERGY CORPORATION NEW RIVER ENERGY CORPORATION** NORTH COAST ENERGY EASTERN P. D. T. DRILLING LIMITED PARTNERSHIP PAYNE GAS CO PENN VIRGINIA OIL AND GAS CORPORATION PETROEDGE RESOURCES (WV), LLC PMJ, INC. PRIME OPERATING COMPANY QUALITY NATURAL GAS, LLC QUALITY NATURAL GAS, LLC RICHNER, C. E. **ROSS & WHARTON GAS CO INC** SHEWEY, C. F., AGENT SIGMA CORPORATION SIMCON OIL AND GAS CORPORATION STOWERS ENERGY, LLC SWEETLAND PRODUCTION CO TEDIK LTD. PARTNERSHIP TRIAD RESOURCES, INC. TUG FORK DEVELOPMENT WAYNE GAS COMPANY WELLS, H. D. OIL & GAS EXP. & DEV. INC.

WETZEL GAS COMPANY

BEFORE THE OIL AND GAS CONSERVATION COMMISSION

OF THE STATE OF WEST VIRGINIA

NOTICE OF PREHEARING CONFERENCE

Please be advised that Chesapeake Appalachia, L.L.C. ("Chesapeake") has made application to the Oil and Gas Conservation Commission ("Commission") for the establishment of Special Field Rules covering lands located in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne counties, West Virginia. The affected lands are shown on the attached map.

Chesapeake's request for Special Field Rules relates to oil and gas wells drilled to the Marcellus Shale formation which penetrate into the Onondaga Group. The Marcellus Shale sits directly above the Onondaga Group. In West Virginia, pursuant to West Virginia Code §22C-9-2(12), a deep well is defined as any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the Onondaga Group. The definition of a shallow well pursuant to West Virginia Code §22C-9-2(11) is any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group": Provided, that in drilling a shallow well the operator may penetrate into the "Onondaga Group" to a reasonable depth, not to exceed twenty (20) feet, in order to allow for logging and completion operations, but in no event may the "Onondaga Group" formation be otherwise produced, perforated or stimulated in any manner.

By virtue of the twenty (20) foot drilling limitation in the Onondaga Group, Chesapeake is not able to completely evaluate, treat and stimulate the entire section of the Marcellus Shale. Accordingly, in the area shown on the attached map, Chesapeake wishes to drill wells to a total depth not to exceed seventy-five (75) feet into the Onondaga Group. Chesapeake has no intention to produce, perforate or stimulate the Onondaga Group in any manner. The purpose for drilling seventy-five (75) feet into the Onondaga Group is to allow sufficient rat-hole for logging and completion of the Marcellus Shale. Although the Marcellus is a shallow formation, Chesapeake is required to apply for a deep well permit by virtue of the above definitions. In order to avoid leaving natural gas reserves in place, it is not prudent to develop the Marcellus Shale fields utilizing the required deep well spacing of 3000 feet between wells and 400 feet from the lease line or unit boundary. Therefore, Chesapeake is requesting Special Field Rules establishing 1000 foot spacing between wells, and providing that each well be located not less than fifty (50) feet from the lease line or unit boundary. The Special Field Rules would apply to those wells drilled by Chesapeake to a total depth not to exceed seventy-five (75) feet into the Onondaga Group. Chesapeake would agree not to produce, perforate, frac, or otherwise stimulate the Onondaga Group, unless and until it obtained a further Order from the Commission. In addition, with regard to deep well permits for Marcellus Shale formation wells in the affected area, Chesapeake requests that these Special Field Rules provide that Chesapeake would not have to conduct a pre-spud meeting prior to

commencing drilling operations or prepare and submit a well safety plan for each such deep well.

A pre-hearing conference relating to Chesapeake's request for Special Field Rules has been scheduled for the following date and time:

Date:

May 17, 2007

Time:

9:00 a.m.

Where:

West Virginia Oil and Gas Conservation Commission

601 57th Street SE

Charleston, WV 25304

Chesapeake has made a diligent effort to determine the operators of any lands that may be directly or immediately affected by this proposal. Any opponent to the application for Special Field Rules must file written notice to the Commission within ten (10) days of the date of this pre-hearing notice or the pre-hearing conference will not be held. This pre-hearing notice is hereby made and dated this 23rd day of April, 2007.

1" = 6.00 mi

Data Zoom 9-0

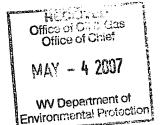
www.delorme.com

ADKINS, FRANKLIN	P. O. BOX 70	ONA	WV	25545-0070
ALLEN & JESSIE GAS WELLS INC	BOX 1437	WILLIAMSON	wv	25661-0000
ALLIANCE RESOURCES INC	POST OFFICE BOX 670249	DALLAS	TX	75367-0247
BARTRAM, I DAVID	P. O. BOX 306	MILTON	wv	25541-0000
BATES, OTTELIA	P. O. BOX 281	WEST HAMLIN	wv	25571-0000
BEVINS, EARL C.	1648 BUENA VISTA DRIVE	HUNTINGTON	wv	25704-0000
BIG C PRODUCTION & PROCESSING INC	534 5th AVENUE	HUNTINGTON	WV	25701-1908
BILL & JESSIE INC	P. O. BOX 8213	HUNTINGTON	WV	25705-0000
BOYD O & G INC.	POST OFFICE BOX 310	PINEVILLE	WV	24874-
BRADY RESOURCES, INC.	ROUTE 2, BOX 453	SALT ROCK	wv	25559-0000
BRADY RESOURCES, INC.	P O BOX 905	BARBOURSVILLE	WV	25504
BREWER NATURAL GAS, LLC	825C MERRIMON AV. #315	ASHEVILLE	NC	28804-2404
CABOT OIL & GAS CORPORATION	900 LEE ST. , E SUITE 500	CHARLESTON	wv	25301-4308
CALVERT COMPANY	P.O. BOX 54589	OKLAHOMA CITY	OK	73154-0000
CAMERON GAS COMPANY	8 ADALINE AVENUE	CAMERON	WV	26033-1097
CAMERON OIL & GAS COMPANY	P. O. BOX 1462	CHARLESTON	WV	25325-1462
CLASSIC OIL & GAS RESOURCES INC	P O BOX 31	PINCH	WV	25156-0000
CLASSIC OIL & GAS RESOURCES INC	100 W. BRANNON ROAD	NICHOLASVILLE	KY	40356-0000
CRUM, M V GAS PARTNERS	POST OFFICE BOX 1467	PAINTSVILLE	KY	41240-
D & P GAS COMPANY INC	ROUTE 3, BOX 414	BRANCHLAND	WV	25506-
DAVIS, MICHAEL	P,O, BOX 328	EAST LYNN	WV	25512-0000
DEEP FORD GAS COMPANY	P. O. BOX 169	CHARLESTON	WV	25321-0169
DOMINION EXPLORATION & PRODUCTION INC	P. O. BOX 1248, ONE DOMINION DRIVE	JANE LEW	WV	26378-0000
DRIOC ACQUISITIONS LLC	4502 HEREND PL	FAIRFAX	AL	22032-1713
EAST RESOURCES, INC.	P. O. BOX 5519	VIENNA	WV	26105-5519
EASTERN AMERICAN ENERGY CORP	501 56TH STREET	CHARLESTON	WV	25304-
EMAX OIL COMPANY	ROUTE 1, BOX 143	SALEM	WV	26426-0000
ENERVEST OPERATING L. L. C.	300 CAPITOL STREET, SUITE 700	CHARLESTON	WV	25301-0000
EQUITABLE PRODUCTION COMPANY	1710 PENNSYLVANIA AVENUE	CHARLESTON	WV	25302-0000
FREEDOM OIL & GAS INC	P O BOX 400	CANONSBURG	PA	15317-0000
GAS SUPPLY CORP	5656 BLOSS RD, RT. 1	LAVALETTE	WV	25535-0000

GEOEX, INC.	37 NORTH SUNSET BOULEVARD		WILLIAMSON	WV	25661-0000
GIBRALTAR GAS, INC.	P. O. BOX 385	347 THOMPSON ROAD	PIKEVILLE	KY	41502-3385
GILBERT EXPLORATION COMPANY INC	P. O. BOX 310		PINEVILLE	WV	24874-0000
GUYAN GAS PRODUCERS, INC.	P O BOX 1013		OCEANA	WV	24870-
HOUSTON EXPLORATION COMPANY	P. O. BOX 2048		BUCKHANNON	WV	26201-0000
HUNTINGTON OKLAHOMA OIL CO	P. O. BOX 424		HUNTINGTON	WV	25709-0424
JMLOIL&GASCOMPANY	P. O. BOX 1467		PAINTSVILLE	KY	41240-5467
JACKSON RESOURCES CO	24 SECOND STREET		HAMLIN	WV	25523-0498
K & R OPERATING CO.	POST OFFICE BOX 3268		PIKEVILLE	KY	40223-0000
KINZER, J. W.	P. O. BOX 155		ALLE	KY	41601-0000
KIRTLEY, RALPH	ROUTE 2, BOX 119		MILTON	WV	25541-0000
KV OIL & GAS, INC.	161 YELLOW JACKET DRIVE		VERSAILLES	KY	40383-0000
LINN OPERATING, INC	480 INDUSTRIAL PARK ROAD		JANE LEW	WV	26201-
M & M OIL AND GAS DEVELOPMENT CO INC	P.O. BOX 1721		HUNTINGTON	WV	25718-0000
MAHUE CONSTRUCTION COMPANY	P. O. BOX 555		HAMLIN	WV	25523-0555
MALCOLM, D C INC	920 HUNTINGTON SQUARE		CHARLESTON	WV	25301-0000
MARTIN-STOWERS	P. O. BOX 360		WEST HAMLIN	WV	25571-0360
MILLS DRILLING CO INC	P. O. BOX 65		WAYNE	WV	25570-0065
MOUNTAIN V OIL & GAS, INC.	P. O. BOX 470		BRIDGEPORT	WV	26330-0000
MOUNTAINEER GAS SERVICES, INC.	2401 SISSONVILLE DRIVE		CHARLESTON	WV	25312-
MURVIN & MEIER OIL CO.	POST OFFICE BOX 396		OLNEY	IL	62450-0000
MYERS DRILLING COMPANY	5600 SHAWNEE DRIVE		HUNTINGTON	WV	25705-
NEW RIVER ENERGY CORPORATION	315 70TH STREET		CHARLESTON	WV	25304-0000
NEW RIVER ENERGY CORPORATION	P. O. BOX 1951		CHARLESTON	WV	25327-0000
NORTH COAST ENERGY EASTERN	POST OFFICE BOX 8		RAVENSWOOD	WV	26164-0008
P. D. T. DRILLING LIMITED PARTNERSHIP	4 SQUIRES DRIVE		ST. ALBANS	WV	25177-0000
PAYNE GAS CO	4977 LINKOUS CT.		HILLIARD	ОН	43026-0000
PENN VIRGINIA OIL AND GAS CORPORATION	2550 EAST STONE DRIVE, SUITE 110		KINGSPORT	TN	37660-0000
PETROEDGE RESOURCES (WV), LLC	2925 BRIARPARK DRIVE, SUITE 150		HOUSTON	TX	70042-
PMJ, INC.	501 E. MCDONALD AVENUE		MAN	WV	25635-0000
PRIME OPERATING COMPANY	714 1/2 LEE STREET, EAST		CHARLESTON	WV	25301-1707

QUALITY NATURAL GAS, LLC	1555 KY ROUTE 80	PRESTONBURG	KY	41653-
QUALITY NATURAL GAS, LLC	1555 KY ROUTE 80	PRESTONBURG	KY	41653-
RICHNER, C. E.	BOX 310, 115 PINE STREET	PINEVILLE	WV	24874-0310
ROSS & WHARTON GAS CO INC	RT. 5, BOX 29	BUCKHANNON	WV	26201-0000
SHEWEY, C. F., AGENT	P. O. BOX 108	KERMIT	WV	25674-0000
SIGMA CORPORATION	BOX 310	PINEVILLE	WV	24874-0310
SIMCON OIL AND GAS CORPORATION	ROUTE 7, BOX 407 1/2	SOUTH CHARLESTON	WV	25309-0000
STOWERS ENERGY, LLC	POST OFFICE BOX 652	HAMLIN	WV	25523-
SWEETLAND PRODUCTION CO	P.O. BOX 54589	OKLAHOMA CITY	ок	73154-0000
TEDIK LTD. PARTNERSHIP	P. O. BOX 1956	WILLIAMSON	WV	25661-0000
TRIAD RESOURCES, INC.	POST OFFICE BOX 430	RENO	ОН	45773-
TUG FORK DEVELOPMENT	3930 BRANDYWINE DRIVE	CATLETTSBURG	KY	41129-0000
WAYNE GAS COMPANY	P. O. BOX 397	WAYNE	WV	25570-0000
WELLS, H. D. OIL & GAS EXP. & DEV. INC.	POST OFFICE BOX 1785	CHARLESTON	WV	25326-0000
WETZEL GAS COMPANY	5662 BLOSS RD.	LOUAETTO	WV	25535-0513





300 Summers Street BB&rT Square, Suite 700 Post Office Box 1746 Charleston, WV 25326 Telephone: 304.345.2000 Telecopier: 304.343.7999

Writer's Contact Information:

rgottlieb@lgcr.com

UDHU4HU77894:20 HU70

May 4, 2007

Via Hand Delivery

James Martin, Chief,
Office of Oil and Gas
Oil and Gas Conservation Commission
West Virginia Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Re:

Docket No. 179, Cause No. 164: Objections to Request by Chesapeake Appalachia, LLC for an Order from the Commission Establishing Special Field Rules

Dear Mr. Martin:

This letter is written on behalf of Penn Virginia Oil and Gas Corporation ("Penn Virginia") in response to the Notice of Pre-Hearing conference and Hearing scheduled for May 17, 2007 in the above-referenced matter. Penn Virginia is an operator of record adjacent to some of the quadrangles and within the counties as described in Chesapeake Appalachia, LLC's ("Chesapeake") Petition. For the reasons set forth below, Penn Virginia objects to Chesapeake's request for Special Field Rules and requests a hearing regarding the same.

I. SUMMARY OF POSITION

Penn Virginia does not object to Chesapeake's proposed drilling project. Indeed, Penn Virginia supports the use of the seventy-five foot drilling to allow for sufficient rathole for logging and completion of the Marcellus Shale formation. Penn Virginia does object, however, to the implementation of Special Field Rules for spacing as applied to wells which will produce gas from a shallow formation. As set forth below, the Legislature has made a clear distinction for regulatory purposes between shallow wells and deep wells. Chesapeake's request for spacing of 1000 feet between wells and 50 feet for a lease line or boundary for these shallow wells would circumvent the stated intent of the legislature. Penn Virginia submits that special spacing rules for shallow formations will have lasting detrimental consequences on the natural gas industry.

EXHIBIT



II. DEFINITIONS OF SHALLOW WELLS AND DEEP WELLS

As defined by statute, whether a well is classified as shallow or deep is primarily determined by whether or not there is drilling at or below the top of the uppermost member of the Onondaga Group. W.Va. Code § 22C-9-2(11) and (12). Specifically, a "shallow well" is defined as "any well drilled and completed in a formation above the top of the uppermost member of the 'Onondaga Group' Provided, That in drilling a shallow well the operator may penetrate into the 'Onondaga Group' to a reasonable depth, not in excess of twenty feet, in order to allow for logging and completion operations, but in no event may the 'Onondago Group' formation be otherwise produced, perforated or stimulated in any manner" A "deep well" is defined as "any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the 'Onondaga Group." W.Va. Code § 22C-9-2(11) and (12).

Here, Chesapeake admits that it will not perforate, stimulate or complete any formation below the base of the Marcellus Shale section, thus all production will come from shallow formations. Yet, Chesapeake recognizes that the 75 foot required for logging and completion will categorize the drilling as "deep wells." In effect, Chesapeake is asking this Commission to recognize a new regulatory hybrid- to not apply the appropriate spacing applicable for deep wells, but rather apply non-existent spacing regulations to shallow wells.

III. AS A MATTER OF LAW, SHALLOW WELLS ARE NOT SUBJECT TO SPACING RULES AND REGULATIONS

Shallow wells are not governed by spacing rules and regulations. In its declaration of public policy and legislative findings, the legislature stated:

... oil and gas deposits in such shallow sands or strata have geological and other characteristics different than those found in deeper formations; and that in order to encourage the maximum recover of oil and gas from all productive formations in this state, it is not in the public interest, with the exception of shallow wells utilized in a secondary recovery program, to enact statutory provisions relating to the exploration for or production from oil and gas from shallow wells ...

W.Va. Code § 22C-9-1(2007)(emphasis added). Applying the spacing rules requested by Chesapeake would thwart the express legislative intent not to use such rules for shallow wells and would be against public policy. Additionally, shallow wells are specifically excluded from the statutory regulations. See W.Va. Code § 22C-9-3(2007). Rather, the shallow formations are subject to the Law of Capture. See Croston v. Emax Oil Co., 195 W.Va. 86, 464 S.E.2d 728 (1995)(discussing an oil lease and issues of drainage and pooling and stating "the Legislature has enacted a comprehensive scheme for the regulation of pooling and spacing of oil and gas wells. ... The legislative enactments

cc:



require mandatory pooling or unitization only in certain circumstances involving socalled deep wells, involving shallow wells drilled in coal fields, and involving shallow wells which are a part of a secondary recovery program...").

IV. EFFECT OF REQUESTED SPECIAL FIELD RULES

In addition to being contrary to expressly stated legislative intent and public policy, issuing the Special Field Rules requested by Chesapeake for what are essentially shallow formations would have a chilling effect on the rights of others. If this Commission adopts the proposed spacing requirements, other producers can effectively be spaced out from drilling and extracting oil and natural gas in shallow wells both in this area and potentially in other portions of the state. This would effectively limit natural gas production in the State.

V. CONCLUSION

Chesapeake's request for Special Field Rules should be denied as a matter of law. The legislature has explicitly addressed the drilling and spacing of the types of wells at issue here, and a procedure exists for accomplishing Chesapeake's goal. To permit special field rules governing spacing for production from shallow formations such as the Marcellus Shale, would thwart the legislative intent and would have a potentially serious effect on the market.

WHEREFORE, Penn Virginia respectfully requests that this Commission not grant Chesapeake's request for spacing of 1000 feet between wells and 50 feet from a lease line or boundary.

Respectfully Submitted

Penn Virginia Oil and Gas Corporation

By Richard L. Gottlieb, Esq.

Barry Lay, Chairman, West Virginia Oil & Gas Conservation Commission James McKinney

FAX MESSAGE/COVER SHEET

From
DAVID B. McMAHON

922 Quarrier Street, Suite 525, Charleston, WV 25301
Phone 304-344-3144 • Fax 304-344-3145
Cellular Phone 304-415-4288
e-mail wvdavid@access.mountain.net

Fax Date: May 3, 2007

Number of pages 1

(Including this page, but not any broadcast fax cover sheet)

To: West Virginia Oil and Gas Conservation Commission 501 57th Street SE Charleston, WV 25304

By Fax Only 926-0452

Please note that, at least for the present, I am appearing as an opponent of the Chesapeake Appalachia, L. L. C. application to the Oil and Gas Conservation Commission for the establishment of Special Field Rules covering lands located in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne Counties, West Virginia. I will appear at the pre-hearing conference set at 9:00 a.m. on May 17, 2007.

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	1/2/2 2000
	May 3, 2007
	To: West Virginia Dil + Gas Conservation Comm. 601 57th Street SE Charleston, WV 25304
	601 57th Street SE
	Charleston, WV 25304
	From:
	Donald Delong
	Donald Delong 221 Hillcrest Brive
	Logan, WV25601
	To Whom I+ May Concern: In regards to the Chesapeake Appalachia application, I wish to protest I live in the Mitchell Heights
	In regards to the Chesapeake
	Appalachia application, I wish to
	protest I live in the Mitchell Heights
	area in Logan County + have major
	area in Logan County + have major concerns with the consequences of the
	Dermit.
	Thank You,
	Unald Delong
	J
And the state of t	
Salarange in que y	



May 2, 2007

VIA FACSIMILE (304-926-0452) AND U. S. MAIL

West Virginia Department of Environmental Protection Oil and Gas Conservation Commission 601 57th Street, SE Charleston, WV 25301

Re:

Notice of Hearing Docket No. 179 Cause No. 164 Request by Chesapeake Appalachia, LLC for Special Field Rules Hearing Date: May 17, 2007

Gentlemen:

Cabot Oil & Gas Corporation desires to have the special field rules as referenced above apply to it as well. We wonder if it would be possible to "piggy-back" on the currently established hearing. Cabot would like the special field rules to apply to areas other than those set out in the Chesapeake application. Please advise the procedure for accomplishing this desire.

Very truly yours,

Jeffrey L. Keim

Regional Land Manager



May 16, 2007

James Martin, Chief
Oil & Gas Conservation Commission
West Virginia Department of Environmental Protection
601 57th Street
Charleston, West Virginia 25304

Re:

Docket No. 179, Cause No. 164: Objection to Request by Chesapeake Appalachia, LLC for an Order from the Commission Establishing Special Field Rules

Dear Mr. Martin:

Pocahontas Land Corporation hereby objects to Chesapeake Appalachia, LLC's application for special field rules. Each objection is set forth below in more detail.

Lack of Jurisdiction

The Oil and Gas Conservation Commission has authority to regulate the spacing of deep wells using statutory guidelines or by the adoption of special field rules. W.Va. Code §22C-9-4. However, it is the Shallow Gas Well Review Board that has been granted jurisdiction to regulate the spacing of shallow wells.

A deep well is defined as any well other than a shallow well, drilled and completed in a formation at or below the top of the upper most member of the "Onondaga Group." Therefore, unless a well is drilled and completed in the Onondaga Group, it is not a deep well.

In its application, Chesapeake specifically states that it will not "produce, perforate or stimulate the Onondaga in any manner." As such, the proposed wells to be drilled by Chesapeake do not qualify as deep wells. Instead, they are shallow wells regulated by the Shallow Gas Well Review Board. Consequently, the Conservation Commission is without jurisdiction to address Chesapeake's application because it does not involve deep wells.

Distance Limitation

Chesapeake is attempting to avoid the 3000 ft, spacing requirement for deep wells. As a result, it has requested that it be permitted to drill shallow wells within 1,000 ft, of other shallow wells. The spacing requirements for shallow wells are set forth in W.Va. Code §22C-8-8. As an owner of coal that will be affected by shallow wells spaced under the 1,500 ft, minimum, Pocahontas Land Corporation formally objects to Chesapeake's request for 1,000 ft, spacing.

EXHIBIT

Furthermore, Chesapeake has not met its burden of establishing its need to drill the shallow wells within the 2,000 ft. minimum.

Notice

Chesapeake is attempting to alter the spacing requirements of shallow gas wells in an area with substantial coal reserves. Despite this fact, and despite having direct knowledge of the coal owners and operators that would be adversely affected by its request, Chesapeake failed to provide notice to many, if not all, of the affected coal owners and operators.

In fact, many of the coal operators and owners have not even been provided with a copy of the application for special field rules. It is shocking that Chesapeake would attempt to alter the spacing of its shallow wells in a five (5) county area in southwestern West Virginia without providing notice to the respective coal owners and operators.

Respectfully submitted,

Vicholas S. Preservati

NSP/meb

cc:

Mr. Steve Hopta, Esquire Keith Moffatt, Esquire Sharon Flanery, Esquire

Mr. Mark Kinder



May 14, 2007

Ms. Cindy Raines
Oil & Gas Conservation Commission
601 57th Street
Charleston, WV 25304

Dear Ms. Raines:

Trans Energy, Inc. is submitting this letter in connection with the April 13, 2007 request for Special Field Rules filed by Chesapeake Appalachia, LLC in Docket No. 179, Cause 164. Trans Energy agrees that it is necessary to drill at least seventy-five feet (75') into the Onondaga formation in order to adequately log and complete wells into the Marcellus Shale formation. We also agree that it is not prudent to develop Marcellus formation wells based upon 3000' spacing between wells and 400' lease line setback requirements.

If the Commission is going to exercise authority over Marcellus wells, Trans Energy supports a special field rule that allows all operators to drill 75' into the Onondaga and perforate into, stimulate and produce only from the Marcellus or above. The special field rule should also remove all spacing restrictions because the Marcellus Formation is a shallow formation not subject to any spacing requirements. We strongly urge the Commission to adopt the special field rules for *all* counties in West Virginia, not just those listed by Chesapeake.

However, you may rightly determine that the Commission does not have jurisdiction over Marcellus wells because the Commission's jurisdiction extends only to deep wells. Neither does the Commission have the authority to require operators to go to the extra expense of complying with deep well requirements for shallow wells. In such case, Chesapeake's request for special field rules is unnecessary, because the wells that Chesapeake describes are shallow wells.

The Office of Oil and Gas can grant a waiver in a shallow well permit to allow producers to drill more than 20 feet into the Onondaga as long as there is no perforation, stimulation or production from the Onondaga or below. Operators would benefit from not being required to comply with the more costly and time-consuming procedures necessary for deep well permits, and development of the Marcellus will not be thus hindered.

Thank you for your consideration.

Sincerely,

James K. Abcouwer

CEO & President



1600 LAIDLEY TOWER • P.O. BOX 553 • CHARLESTON, WEST VIRGINIA 25322 • TELEPHONE: 304-340-1000 • TELECOPIER: 304-340-1130

www.jacksonkelly.com

FAX NO. (304) 340-1080

EMAIL: ktawney@jacksonkelly.com

May 11, 2007

Ms. Cindy Raines
Oil & Gas Conservation Commission
601 57th Street
Charleston, WV 25304

Dear Ms. Raines:

DIRECT NO. (304) 340-1049

PetroEdge Resources (WV), LLC ("PetroEdge") hereby responds in limited, conditional opposition to the April 13, 2007 request for Special Field Rules filed by Chesapeake Appalachia, LLC in the Commission's Docket No. 179, Cause 164. Chesapeake is essentially requesting special field rules for wells that will be drilled into the Marcellus Shale Formation which, as the Commission is well aware, is the formation that lies atop of the Onondaga Group Formations. The Marcellus Shale Formation has become, in recent years, a major target formation for wells drilled in the Appalachia region. The Commission's decision on Chesapeake's application will be a major factor in producers' decisions regarding whether to continue aggressively pursuing development of this play. The Commission should do all that it can to avoid unnecessary regulatory burden and costs for Marcellus Shale wells in order to avoid stunting development.

PetroEdge is a producer/operator with existing production and leaseholds in some of the counties described in Chesapeake's request for special field rules. PetroEdge has drilled and completed wells into the Marcellus Shale Formation and continues to target that formation in its areas of interest. Therefore, PetroEdge has an interest in these proceedings.

Initially, PetroEdge emphasizes that it agrees with Chesapeake's assessment of the necessity of drilling seventy-five feet (75') into the Onondaga Limestone Formation in order to adequately log and complete wells into the Marcellus Shale Formation. In addition to the engineering reasons, there are sound economic reasons to drill farther than twenty feet (20') into the Onondaga and avoid artificially increased costs of drilling a Marcellus Shale well.

PetroEdge further agrees that it is not prudent to develop Marcellus Shale wells based upon 3000' spacing between wells and 400' lease line setback requirements. PetroEdge is firmly of the opinion that complying with deep well requirements for Marcellus Shale wells would constitute economic waste. A 3000' spacing requirement for a well drilled and completed into a shallow formation would result in operators being unable to recover all economically recoverable reserves.

Even though Marcellus wells are shallow wells, PetroEdge supports Chesapeake's request for special field rules to drill 75' into the Onondaga given the Commission's

Ms. Cindy Raines May 11, 2007 Page 2

interpretation of the governing statutes. PetroEdge perceives no reason for denial of the request. Indeed, PetroEdge believes that the Commission should adopt a statewide special field rule for Marcellus Shale wells. PetroEdge also supports the position of Penn-Virginia that there should be no spacing requirements for Marcellus Shale wells, which should also be reflected in a statewide special field rule. Operationally, there is no meaningful difference between a well drilled 20' or less into the Onondaga and completed only into the Marcellus compared to a well drilled 75' into the Onondaga and completed only into the Marcellus. They are both wells producing from a shallow formation that traditionally have not been burdened by spacing requirements. See W. Va. Code § 22C-9-1(b)(no spacing requirement for shallow wells). The special field rule should eliminate any spacing requirement for wells drilled more than 20' into the Onondaga but completed only into the Marcellus Shale Formation or above. Adoption of these standards will have the salutary effect of eliminating economic waste from not being able to fully develop the Marcellus Shale Formation and at least some of the additional costs of complying with deep well requirements. Increased drilling costs and regulatory costs must ultimately be passed along to the public in the form of even higher natural gas prices.

Ultimately, were it not for the fact that Marcellus Shale wells are shallow wells, PetroEdge would support Chesapeake's application. However, PetroEdge must respectfully object to Chesapeake's request for special field rules because the wells that it describes are shallow wells. Under the governing statutes, a deep well is defined as any well, other than a shallow well, drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group". W. Va. Code §§ 22-6-1(g) and 22C-9-2(12). The definition of a shallow well is any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group": Provided, that in drilling a shallow well the operator may penetrate into the "Onondaga Group" to a reasonable depth, not to exceed twenty feet, in order to allow for logging and completion operations, but in no event may the "Onondaga Group" Formation be otherwise produced, perforated or stimulated in any manner. W. Va. Code §§ 22-6-1(r) and 22C-9-2(11). PetroEdge respectfully reserves the right to contest in this or any other proceeding the Commission's exercise of jurisdiction over Marcellus Shale wells.

Chesapeake did not propose to complete the Marcellus Shale wells into the Onondaga Limestone Formation; indeed, Chesapeake specifically represented that it would not produce, perforate, frac or otherwise stimulate the Onondaga Group without further Commission authorization. Therefore, by definition, the wells cannot be deep wells because they will not be completed into the Onondaga limestone Formation.

Our interpretation of the statutes and regulations is that the Office of Oil & Gas ("OOG") could simply grant waivers in connection with shallow well permit applications pursuant to WV CSR § 35-4-18 to permit drilling 75' into the Onondaga Limestone Formation. This Commission, which includes the Chief of the Office of Oil & Gas, has already determined that drilling 75' into the Onondaga without perforating, stimulating or producing that formation (i.e., not completing a well into the Onondaga) constitutes a sound engineering practice, which is the standard required in order for a variance to be granted under that regulation. See, e.g, Docket No. 165, Cause No. 152 (Dominion Exploration)(Calhoun County); Docket No. 175, Cause No. 160 (Eastern American Energy Corporation)(Boone, Lincoln and Logan Counties). PetroEdge

Ms. Cindy Raines May 11, 2007 Page 3

encourages the Commission to seriously review this issue and reconsider the appropriateness of these wells being handled by OOG.

In summary, the Commission should refrain from exercising any jurisdiction over wells that are completed only into the Marcellus Shale Formation. Alternatively, the Commission should recognize the realities of Marcellus Shale wells and eliminate unnecessary regulatory burden to the maximum extent possible. Granting a special field rule to drill 75' into the Onondaga Limestone Formation and eliminating spacing requirements results in substantial benefits to mineral owners and producers alike because their gas can be fully developed and not wasted; to the State because of the increased severance taxes that will be realized from increased production; to the industry as a whole because of lower production costs; and, ultimately to the consumers of natural gas because of such lower costs.

Respectfully submitted,

PetroEdge Resources (WV) LLC

By Counsel

cc: Larry Richard Richard Gottlieb

Keith Moffatt

CHARLES AND DONNA BRANHAM HC 70 BOX 358 LENORE, WV 25676

PHONE: 304 475 2421

RECEIVED
Office of Oil & Gas
Office of Chief

MAY - 9 2007

WV Department of Environmental Protection

May 4, 2007

West Virginia Oil and Gas Conservation Commission 601 57th Street SE Charleston, WV 25304

TO WHOM IT MAY CONCERN

This letter is in response to the application made by the Chesapeake Appalachia, L.L.C. to the Oil and Gas Conservation Commission for the establishment of Special Field Rules covering land in Boone, Kanawha, Lincoln, Logan, Mingo and Wayne counties, West Virginia. We live in Mingo County. Allowing the establishment of Special Field Rules would allow Chesapeake Gas Company to drill and doze roads to close to personal property, also it would effect the water wells people have for their drinking and home use. The roads that would allow for logging or operations would only add to faster runoff, and increase the flooding problems we already experience now. These are just some of the problems that could occur. The rules were put in place to prevent such occurrences. Changing these rules would not be in the best interest to the people or the environment.

As an opponent to the application for Special Field Rules, this letter is written note to the Commission, that a pre-hearing notice or pre-hearing conference should be held.

Charles and Downa Browne

Sincerely:

Charles and Donna Branham

RECEIVED Office of Oil & Gas Office of Chief

MAY - 9 2007

WV Department of Environmental Protection



P.O. Box 1867 Charleston, West Virginia 25327 315 70th Street

> Phone (304) 926-0075 Fax (304) 926-3208

Charleston, West Virginia 25304

Boone East Development Co.

May 7, 2007

<u>VIA CERTIFIED MAIL #7002 2410 0005 1386 1277</u> <u>RETURN RECEIPT REQUESTED</u>

West Virginia Oil and Gas Conservation Commission 601 57th Street, SE Charleston, WV 25304

RE: Chesapeake Appalachia, LLC Application for Special Field Rules Covering Lands Located in Southern West Virginia

Ladies and Gentlemen:

Boone East Development Co. is an owner of surface, coal and oil and gas in the affected counties. While we wish to see our oil and gas reserves developed in a prudent manner, we also wish to protect our coal reserves. Therefore, we propose the following revisions be made to the terms and conditions outlined in Chesapeake's proposal prior to approval by the Oil and Gas Conservation Commission.

- 1. Well spacing should be 1200 feet between wells and at least 200 feet from a lease line or unit boundary.
- 2. Hydrogen sulfide detectors should be required at the surface. In addition, a full and detailed report of any occurrence of hydrogen sulfide, including estimated quantities, should be made to the coal owner and coal operator within ten days of completion of the drilling.
- 3. Casing programs should provide for a three string separation of the production annulus from the lowest mineable coal seam. An application of this could be as follows:
 - 1. 9 5/8" to 50 ft below the pavement of the deepest mineable coal seam, as designated by the WV Department of Tax and Revenue, cemented to the surface.
 - 2. 7" to 10' into the Big Lime, cemented to at least 200' above the deepest mineable coal seam.
 - 3. 4 ½" production casing, cemented to 200' above the bottom of the 7".

We will be happy to meet with Chesapeake and/or the Commission prior to the hearing date to draft a mutually acceptable proposal.

Very truly yours,

R. Fund Mije

R. Freal Mize President

TEC/asm

Cc: Chesapeake Appalachia, LLC



Brett Loflin Regulatory Compliance Specialist

February 4, 2008

Ms. Cindy Raines
WV Oil and Gas Conservation Commission
601 57th Street
Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. T

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely.

Brett Loff

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Further, Affiant saith no

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires November 1

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Manor Road Charleston, WV 25301 My Concrission Expires Nov. 18, 2008

W:\Tinki\Special Field Bules\affidavit_form:doo.

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

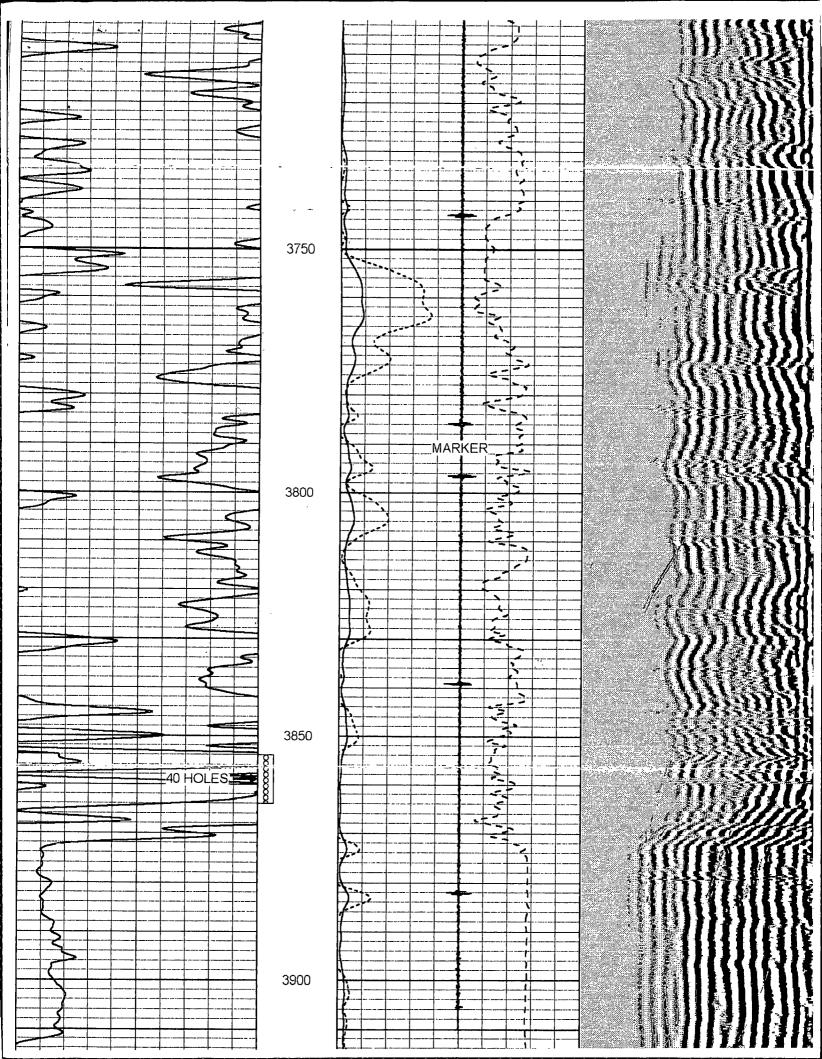
Well #826492 Logan Co., WV, API#47045019730000

Formation		Тор	Bottom
SLSD		256.64	300.00
MXTNL		985.85	1041.00
LTLL		1220.31	1277.00
BGLM		1277.95	1406.00
WEIR		1571.83	1644.00
SNBR		1947.62	1966.00
BERE		1966.73	1985.00
GRDN		2149.32	2208.00
HURNL		3240.60	3346.00
JAVA		3346.76	3480.00
ANGL		3480.52	3578.00
RNSR		3580.30	3851.00
MRCL		3851.10	3873.00
ONDG		3873.29	
	TD	3930.00	



GAMMA RAY / CEMENT BOND,

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Date				7/26/2007							
Run Number				ONE							
Depth Driller				3920				-			
Depth Logger			3919		<u> </u>						
Bottom Logged Int	erval			3915		<u> </u>					
Top Log Interval Open Hole Size				2272		 					
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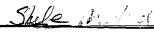




PHOTO DENSITY COMPENSATED NEUTRON COMPENSATED NEUTRON

COMPANY CHESAPEAKE APPALACHIA, LLC

WELL **CHK 826492**

FIELD CHAPMANVILLE / CHAPMANVILLE QUADRANGLE

PROVINCE/COUNTY GUYAN / LOGAN

COUNTRY/STATE USA / WEST VIRGINIA

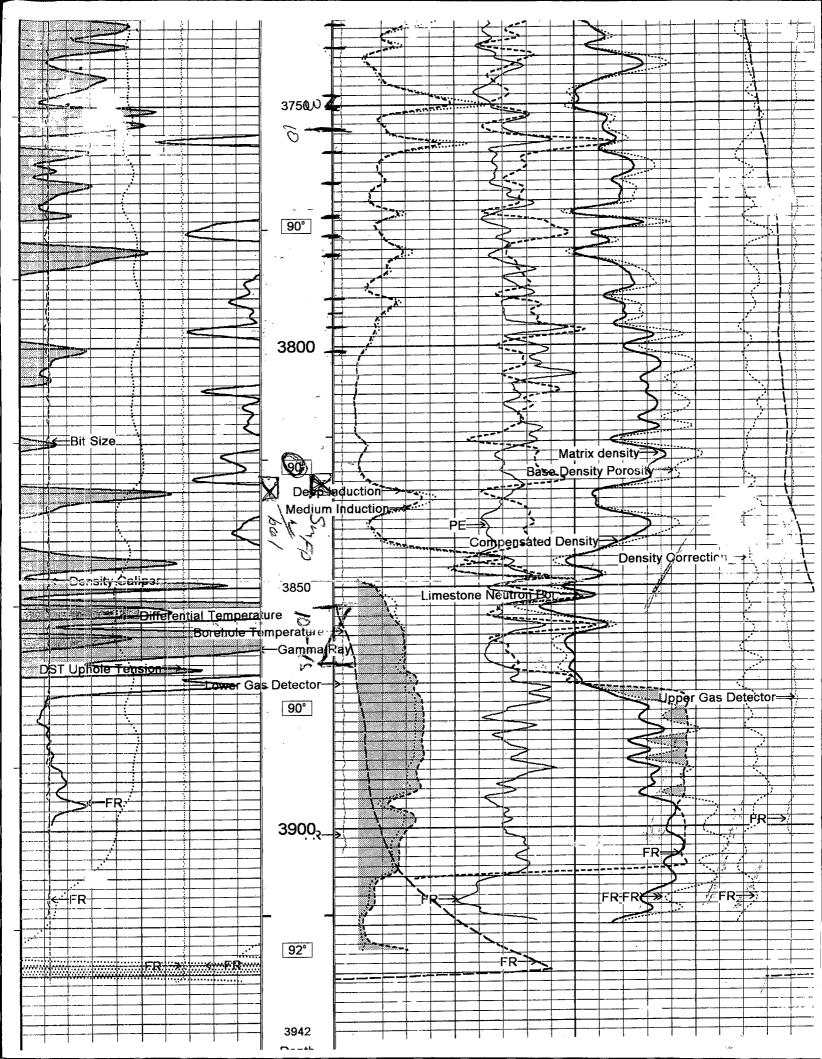
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8' WEST OF 82° 02' 30" FIELD PRINT

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	Hole Flu			NONE							
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Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- As Vice President-Operations, Eastern Division, my responsibilities include general
 oversight of departments responsible for the completion and drilling of Chesapeake
 wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
•	,			

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pine Menor Roed Charleston, WV 25301

W:\Tinki\Special Field Bulles\affidevit form documents

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

Well #826491, Logan Co., WV, API#47045019810000

FORMATION	TOPS (MD)
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LTLL	1596.30
BGLM	1667.51
SNBR	2357.27
BERE	2389.82
GRDN	2570.91
HURNL	3659.52
JAVA	3767.38
ANGL	3899.20
RNSR	4001.07
MRCL	4257.65
ONDG	4284.10
TD	4349.00

TD

RECEIVED
Office of Oil & Gas

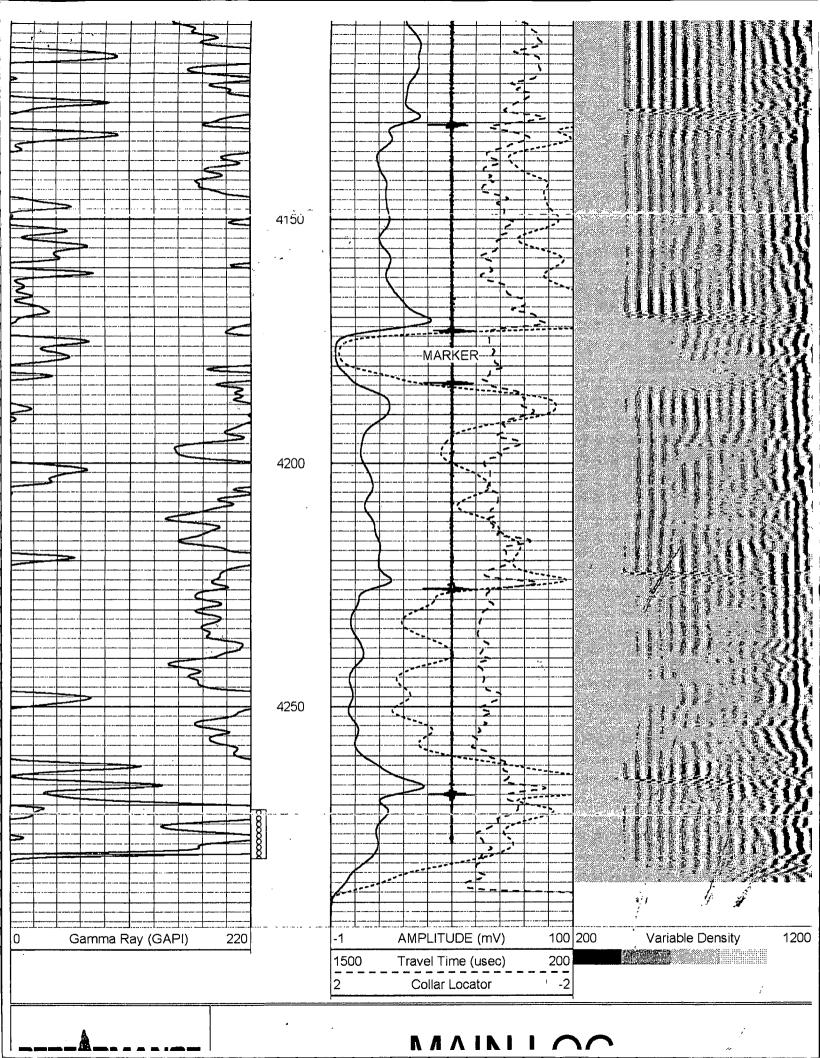
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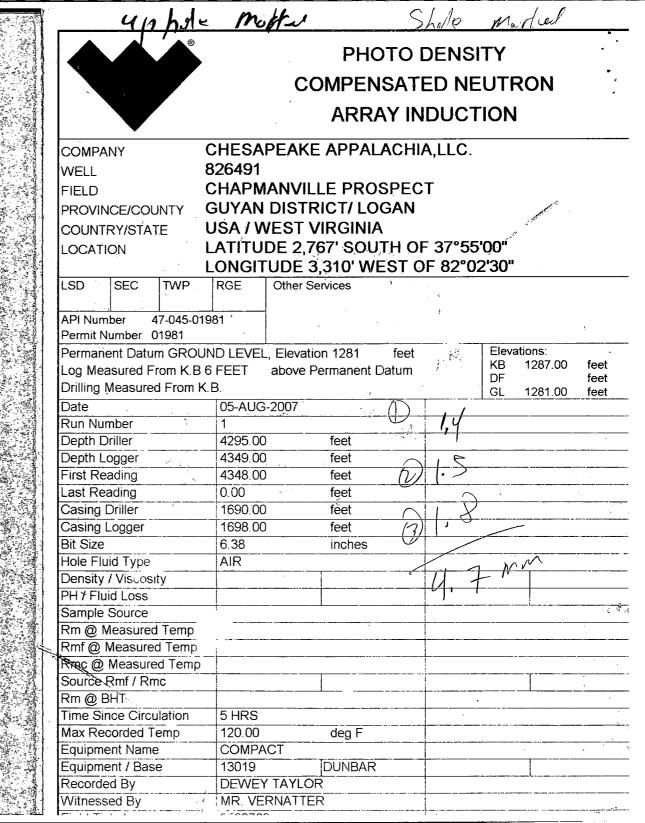
WV Department of Environmental Pretectic

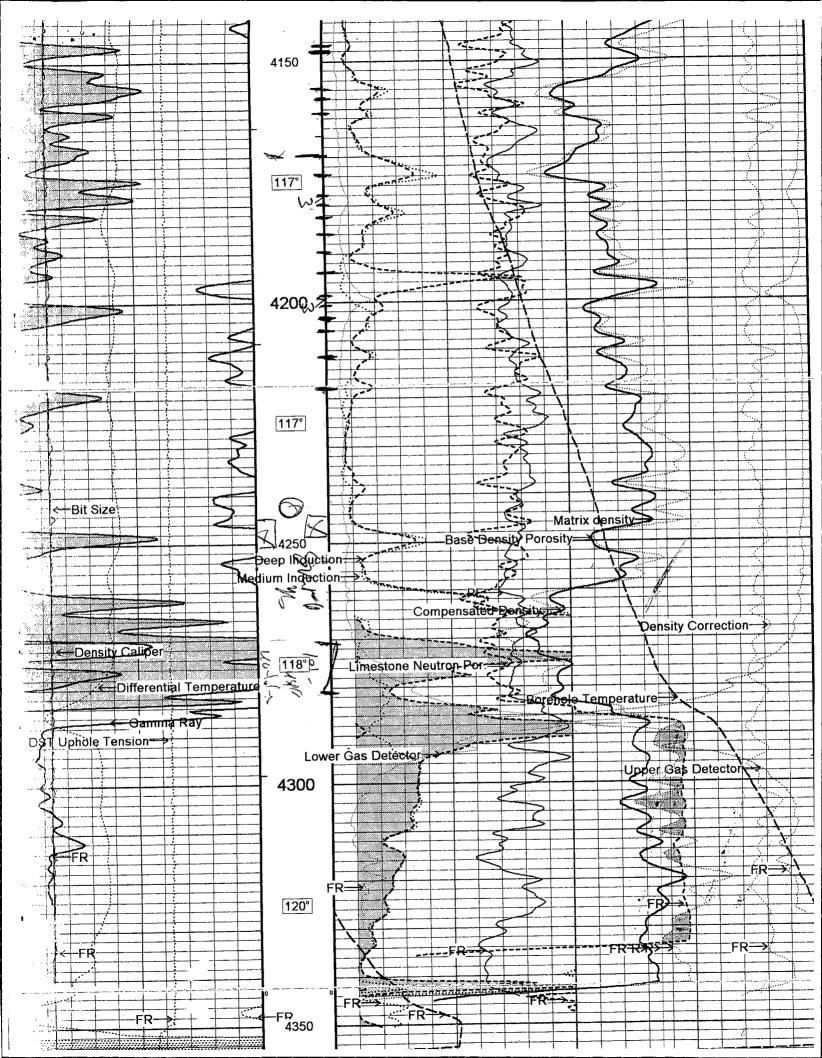


GAMMA RAY CEMENT BOND VDL LOG

SEC TWP RGE Permanent Datum G.L Log Measured From G.L Drilling Measured From G.L Date 8-9-2007 Run Number ONE Depth Driller 4295 Depth Logger 4295 Bottom Logged Interval Dpen Hole Size 6 38 Type Fluid N/A Density / Viscosity N/A Max Recorded Temp N/A Estimated Cement Top 2900 Time Well Ready N/A Time Logger on Bottom Recorded By Wifeessed By Borehole Record Run Number Bit From To Size Weight From To 6 375 1690 4295 Casing Record String Prot String Prot String Prot String Elevation K.B. 1287 D.F. G.L. 1281 Elevation 1281 K.B. 1287 D.F. G.L. 1281 Dr. G.L. 1281 Elevation N.A D.F. G.L. 1281 D.F. G.L. 1281 Elevation N.B. 1287 D.F. G.L. 1281 D.F. G.L. G.L. G.L. G.L. G.L. G.L. G.L. G							
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Date	Company Well Field County State			,	Elevation	1281	K.B. 1287 D.F.
Run Number ONE Depth Driller 4295 Depth Logger 4295 Bottom Logged Interval 4292 Top Log Interval 2200 Open Hole Size 6.38 Type Fluid N/A Density / Viscosity N/A Max. Recorded Temp. N/A Estimated Cement Top 2900 Time-Well Ready N/A Time Logger on Bottom N/A Equipment Number UNIT # 2 Location SISSONVILLE W.V Recorded By B CASTO Witnessed By Borehole Record Run Number Bit From To Size Weight From To G. 375 1690 4295 Casing Record Size Wgt/Ft Top Bottom Surface String 7" SURF 1690 Prot. String	h	1					
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Bottom Logged Interval 4292 Top Log Interval 2200 2200		<i>*</i>					
Top Log Interval 2200							
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Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

	5.	Further,	Affiant	saith	not.
--	----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Bestly J. Paolini 1906 Pine Manor Road Charleston, WV 25301 My Condission Expires Nov. 18, 2008

W:\Tinki\Special Field Bules\affidavit_form:doc-------

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
UTU-01312	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

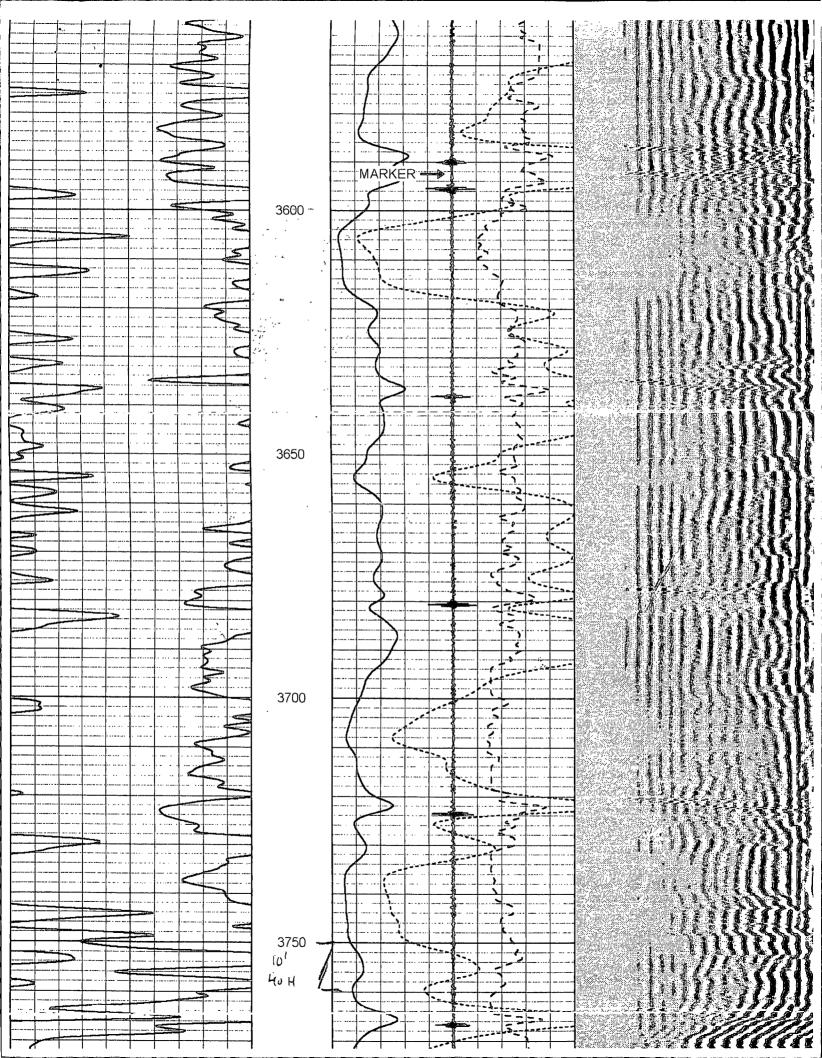
FORMATION TOPS FOR WELL #826490, LOGAN CO., GUYAN DISTRICT, WV, API #47045019720000

FORMATION	TOPS
LTLL	1084.87
BGLM	1165.70
WEIR	1480.03
SNBR	1848.24
BERE	1872.19
GRDN	2057.79
HURNL	3144.46
JAVA	3255.23
ANGL	3380.96
RNSR	3482.74
MRCL	3743.70
ONDG	3769.88
TD	3824



GAMMA RAY CEMENT BOND VDL LOG

Company CHESAPEAKE APPALACHIA ENERGY Well 826490 Field CAPMANVILLE QUAD County LOGAN State W.V. Location: API #: 47-045-01972 Others TWP RGE		
Well 826490 Field CAPMANVILLE QUAD County LOGAN State W.V. Location: API # : 47-045-01972 Others		
Field CAPMANVILLE QUAD County LOGAN State W.V. Location: API # : 47-045-01972 Others		
County LOGAN State W.V. Location: API#: 47-045-01972 Others		
County LOGAN State W.V. Location: API#: 47-045-01972 Others		
Head Location: API # : 47-045-01972 Other		
W >	Servi	
1 4		
CHESAF 826490 CAPMAI LOGAN W.V.		
H HE OG		
	vation	
	val.o.	
Fermanent Datum G.L Elevation 756 K.B. Log Measured From G.L D.F. O S IL O Measured From G.L G.L 75		
D.F. O. S. I. O. Weasured From G.L D.F. O.L. 75	56	
Date 7-31-2007 Run Number ONE		
Depth Driller 3790		
Depth Logger 3802		
Bottom Logged Interval 3800		
Top Log Interval 1450		
Open Hole Size 6.38		
Type Fluid N/A		
Density / Viscosity N/A		
Max. Recorded Temp. N/A		
Estimated Cement Top 2106		
Time Well Ready N/A		
Time Logger on Bottom N/A		
Equipment Number UNIT # 2 Location SISSONVILLE W.V		
Recorded By B CASTO		
Witnessed By		
Borehole Record Tubing Record		
Run Number Bit From To Size Weight From	То	
6.375 1163 3790		
Casing Record Size Wgt/Ft Top Botton	m	
Surface String 7" SURF 1163	Bottom 1163	
Prot. String		
Production String 4 1/2 " SURF T.D.		







Max Recorded Temp

Equipment Name
Equipment / Base

Recorded By Witnessed By

FIFI D TICKET

105.00

13030

3502730 ∑

COMPACT

B CORNS

MR.SHOFFNER

PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE APPALACHIA, LLC

WELL 826490 / CHESAPEAKE APPALACHIA, LLC FIELD CHAPMANVILLE / CHAPMANVILLE QUAD

PROVINCE/COUNTY GUYAN DISTRICT / LOGAN COUNTY

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION LATITUDE 4,964' SOUTH OF 37°55'00"

LONGITUDE 3,635' WEST OF 82°02'30"

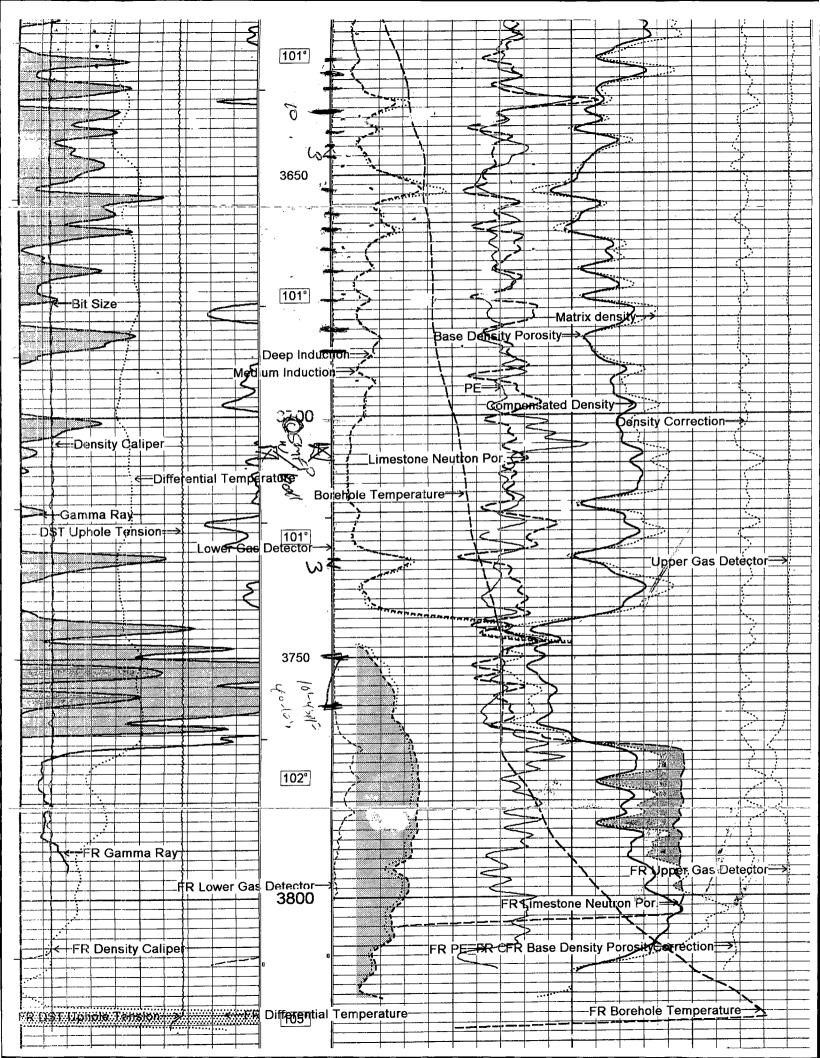
LSD	SEC	TWP	RGE	Other Services	
			;	GAMMA RAY	CALIPER
API Nu	mber	47-045-01	972	TEMPERATURE	GAS DETECTOR
Permit	Number .	01972		DATA PACK	

Permanent Datum GROUND LEVEL, Elevation 756 feet		Elevat	ions:	
Log Measured From TABLE 7 FEET above Permanent Datum		KB		feet
· ·		DF		feet
Drilling Measured From TABLE .	-	GL	756.00	feet

Drilling Measured From TA	ABLE .		,	GL	756.00	feet
Date ,	28-JUL-2007				tien . m	
Run Number	1 .	<u> </u>	, e	•		
Depth Driller	3790.00	feet				
Depth Logger	3824.00	feet				
First Reading	3823.00	feet				
Last Reading	0.00	feet				
Casing Driller	1163.00	feet				
Casing Logger	1162.00	feet				
Bit Size	6.38	inches				
Hole Fluid Type	NONE					
Density / Viscosity						
PH / Fluid Loss						
Sample Source		,				
Rm @ Measured Temp						
Rmf @ Measured Temp						· · · · · · · · · · · · · · · · · · ·
Reg @ Measured Temp				-		
Source Rmf / Rmc						
Rm @ BHT					•	
Time Since Circulation						

deg F

DUNBAR





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
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 wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pina Manor Road Charleston, WV 25301 My Conmission Expires Nov. 18, 2009

W:\Tinki\Special Field Bules\affidavit form:dos

Attachment A

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043-03321	826521
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043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019 043-03314	826486
043-03314	826431
043-03328	826429
043-03323	826267 826264
043-03318	826147
005-00075	804069
045-00075	825789
045-01626	825906
045-01991	825912
U43-U1332	023912

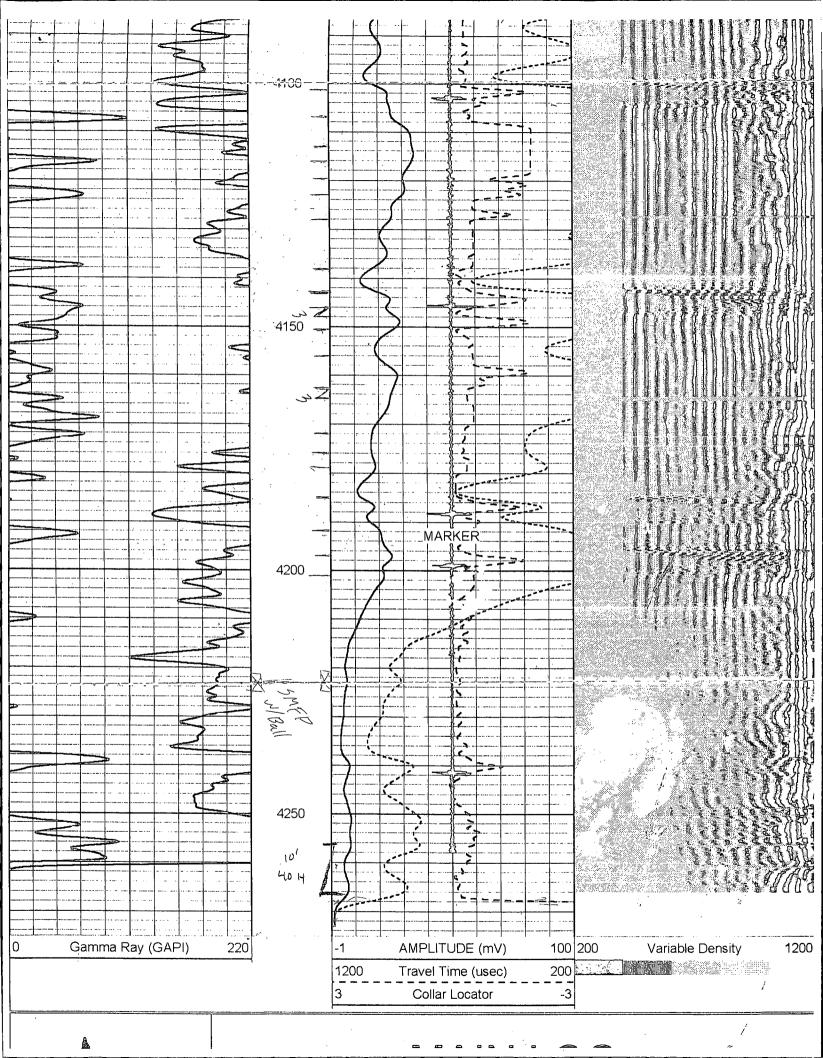
Chesapeake Energy Corp.-Eastern Division Chesapeake Energy 826489 Guyan District, Logan County, WV 47-045-01980-0000

FORMATION	TOPS (MD)
FURIMATION	` '
LTLL	1590.76
BGLM	1641.65
WEIR	1982.96
SNBR	2351.22
BERE	2384.15
GRDN	2561.93
HURNL	3653.58
JAVA	3764.36
ANGL	3893.10
RNSR	3991.90
MRCL	4251.02
ONDG	4277.31
TD	4287.00



GAMMA RAY CEMENT BOND VDL LOG

	RGY IIA	Company	CH	 FSAPFA	KF #	APPAI	LACHIA E	NERC	Ϋ́	
si N	ALACH	Well					E APPAL			
	ALACH KE API	Field		PMANVII	LLE (QUAE)			
i i	E QUA	County	LO	GAN			State	W.V.		
15 (15 (15 (15 (15 (15 (15 (15 (15 (15 (CHESAPEAKE APPALACHIA ENERGY 826489/CHESAPEAKE APPALACHIA CAPMANVILLE QUAD LOGAN W.V.	Location:		en e	API	· .	-045-01980 - 1			ner Servic
1' 1'		Permanent Da		TWP G.L		RGE	Elevation	1279	K.E	
i! i'	1 - 0 0	Log Measured Drilling Measu			• ,				D.I G.I	= 1279
,;	Date			7-31-2007						
1	Run Number			ONE						
4	Depth Driller			4295						
ì	Depth Logger			4275						
	Bottom Logged Inter	rval		4272					<u>-</u>	
.1	Top Log Interval			2150	i					
1	Open Hole Size			6.38						
!	Type Fluid	-		N/A						
	Density / Viscosity			N/A						
j	Max. Recorded Ten	np.		N/A	i					
14	Estimated Cement	Тор		2600				_ _	_	
.:	Time Well Ready			N/A						
1	Time Logger on Bot	ttom		N/A						
·/}	Equipment Number			UNIT#2						
j	Location		SIS	SONVILLE	N.V_			-		
1	Recorded By			B CASTO						
	Witnessed By									
į.	Bo	rehole Record						Record		 -
**	Run Number	Bit From		То	Si	ze	Weight	Fron	٦	То
ì	6.	375 1670		4295						
)!							 -			
*1	-						<u> </u>	 		-
.42		Cie		Wg	+/=+		Тор	1		Bottom
1	Casing Record	Size 7"		avg	טרנ		SURF			1670
1	Surface String	1		-			JUNI			10/0
1	Prot. String	4 1/2 "		 		- -	SURF			T.D.
į.	Production String	4 1/2		+		-+-		-		, .



Sered Wicker More, Mortner



SEC

PHOTO DENSITY* COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE APPALACHIA, LLC
WELL 826489 / CHESAPEAKE APPALACHIA.

FIELD CHAPMANVILLE / CHAPMANVILLE QUAD

PROVINCE/COUNTY GUYAN DISTRICT / LOGAN COUNTY

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION LATITUDE 2770' SOUTH OF 37°55'00"

LONGITUDE 1724' WEST OF 82°02'30"

4	ILOD IOLO IIVVE II	NGE	Office Scivices	the state of the s
		•	GAMMA RAY	CALIPER
	API Number 47-045-0198	0 ,	TEMPERATURE	GAS DETECTOR
	Permit Number 01980		DATA PACK	

Permanent Datum GROUND LEVEL, Elevation 1279 feet Elevations:

Log Measured From TABLE 7 FEET above Permanent Datum

Drilling Measured From TABLE

Elevations:

KB feet DF feet GL 1279.00 feet

Date 27-JUL-2007 Run Number Depth Driller 4295.00 feet Depth Logger 4287.00 feet First Reading 4286.00 feet Last Reading 0.00 feet Casing Driller 1670.00 feet Casing Logger 1638.00 feet Bit Size 6.38 inches Hole Fluid Type NONE

Density / Viscosity
PH / Fluid Loss
Sample Source
Rm @ Measured Temp

Rmf @ Measured Temp
Rmc @ Measured Temp
Source Rmf / Rmc
Rm @ BHT

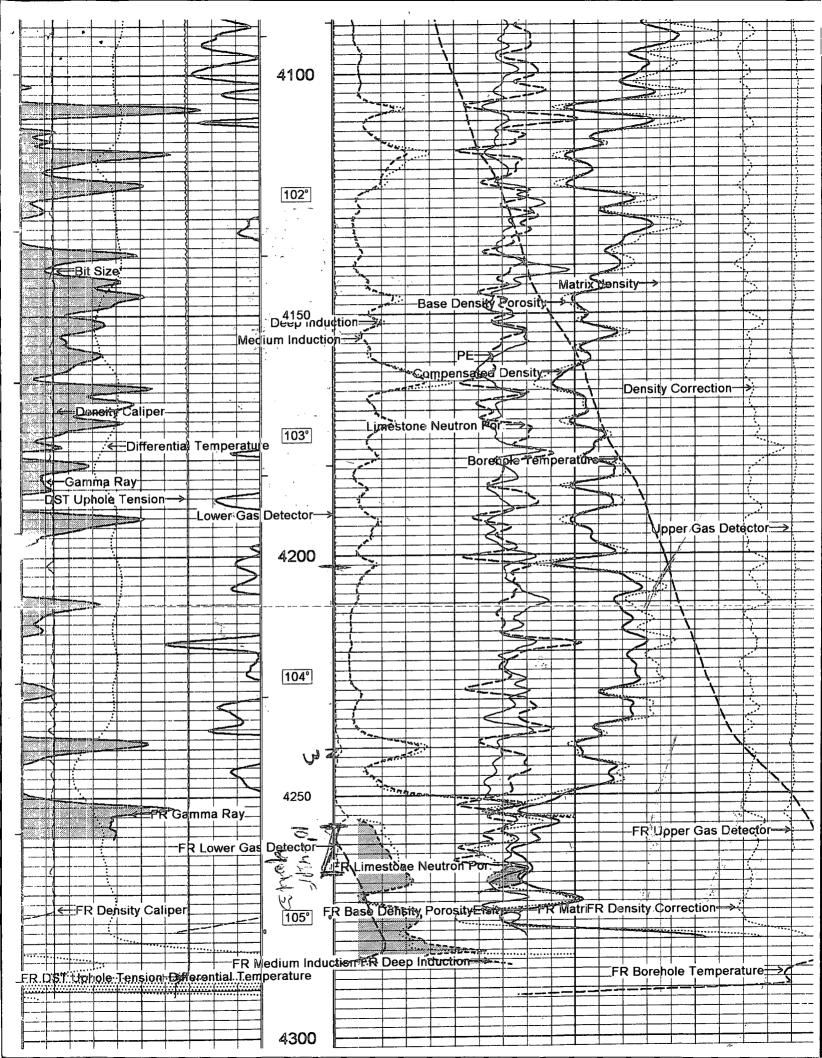
Time Since Circulation

Max Recorded Temp 106.00 deg F

Equipment Name COMPACT

Equipment / Base 13030 DUNBAR

Witnessed By / MR. VERNATTER





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164 Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

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- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFILIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Bufty J. Psolini
1900 Pine Monor Roed
Charleston, WV 25301
My Concression Expires Nev. 18, 2008

W:\Tinki\Special Eield Bules\affidavit_form:decon-i-----

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
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045-02027	826547
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043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
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043-03326	826429
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043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

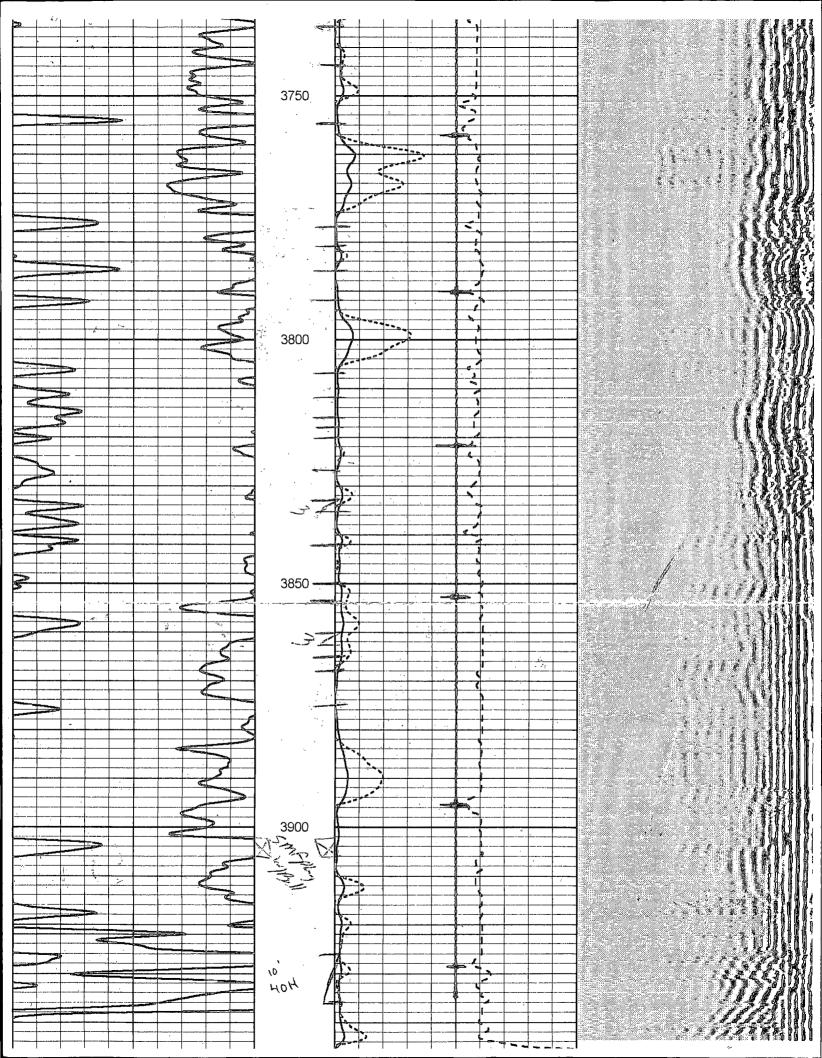
Formation Tops for Well #826488, Logan Co., WV, API#47045019790000

Ltll 1334
Blgm 1368
Weir 1662
Snbr 2027
Bere 2054
Hurnl 3323
Java 3431
Angl 3563
Rhsr 3662
Mrcl 3916
Ondg 3946
TD 3964



GAMMA RAY / CEMENT BOND

	O	Company	CHESAPE	AKE APPA	ALCHIA, L	.LC	
	A, LL	Well	#826488				
22212	ALCHI	Field	CHAPMAN	VILLE			
,	E APP	County	LOGAN		State	WEST	VIRGINIA
	EAK NVII	Location:		API#:			Other Services
	CHESAPEAKE APPALCHIA, LLC #826488 CHAPMANVILLE LOGAN WEST VIRGINIA		SEC TWP	DO	i	·	PERF
	<u> </u>	Permanent Da				050	Elevation
	ompo	Log Measured Drilling Measu	From	OUND LEVE	L Elevation	950	K.B. D.F. 958 G.L. 950
	Date		7/24/2007				
H	Run Number Depth Driller		ONE	<u> </u>			
	Depth Logger		3938 3950		- +++	 	
	Bottom Logged Inter	val	3954	- (-	10N	 / / 	
1	Top Log Interval		1880		\mathcal{L}		
- {	Open Hole Size					\cdot \hat{n}	
{}	Type Fluid		WATER			\mathcal{V}^{v}	
Ħ	Density / Viscosity Max. Recorded Temp			-	·) >	ム	-12
	Estimated Cement To		2160	10 1			\mathcal{X}
	Time Well Ready	ор 	2100	- H V	~ 	12	11
	Time Logger on Botto	om		_ \ \ \ \ \	$\sqrt{}$		_/_/
	Equipment Number				ID	ヘノ	
	Location Department De		SISSONVILLI	E	11/0/	1	10
1	Recorded By		B. RUBIN CHAD SHOFFN	IED	TAN -	_	
		ehole Record	CHAD SHUFFIN	IEK	116	Record	\mathcal{J}
200	Run Number Bi		То	Size	Weight	Akom	Ψον
					all h	11/2	
1					<u> </u>	1 1	
					100		
	Casing Record	Size	Wgt	/Ft	Top		Bottom
	Surface String					MX	DOLLOTT .
	Prot. String	·					
	Production String Liner				y 25	₹ \$	
E I	LINEI	<u> </u>	1	1 /	/	4. 18	1



Max Recorded Temp

Equipment Name

Equipment / Base

Recorded By

Witnessed By

FieldTicket

PHOTO DENSITY ULTRASONIC GAS DETECTOR ARRAY INDUCTION

COMPANY	CHESAPEAKE APPALACHIA ,	, LLC
	CHY # QOCAQQ	
A / ET 1	" " " " " " " " " " " " " " " " " " "	

CHAPMANVILLE QUADRANGLE FIELD

105.00

COMPACT

KURT NUNLEY

MR.CHAD SHOFFNER

13030

3502723

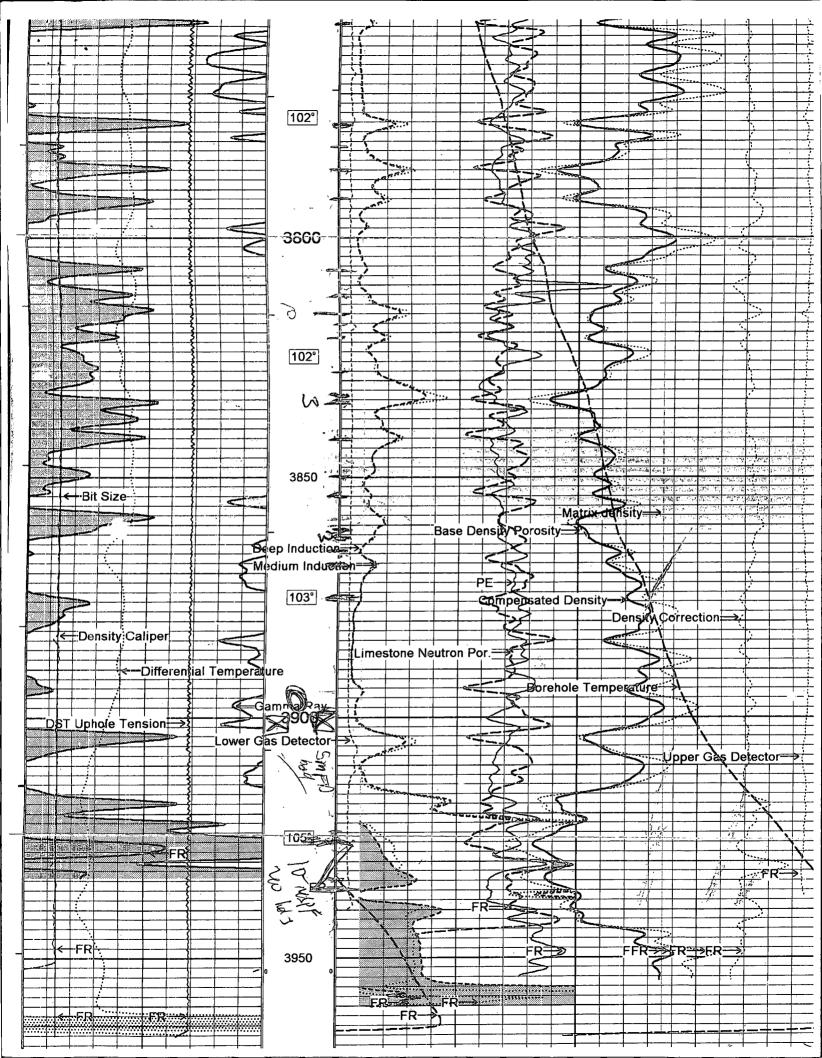
LOGÁN PROVINCE/COUNTY

COUNTR	TATE\YS	E (JSA / W	EST VI	RGINIA	ż	· ,	' 4	1/1/4	#121
LOCATION	NC	L	ATITUI	DE 4.16	3' SOU1	TH OF	37°55	'00"	HATT	V19
					130' WE				~ 74/1° 1	,
LSD	SEC	TWP	RGE	Other Ser	vices		,			
				104 27		•				
API Numi	per 4	7-045-019	79		•					
Permit Nu	ımber C	1979		***************************************						
Permane	nt Datur	n GROUN	ID LEVEL	Elevation	950	feet		Eleva	tions:	_
Log Mea	sured Fr	om D.F. 8	BFT. a	bove Perm	nanent Dat	um		KB DF	958.00	feet feet
Drilling N	leasured	From D.	F.	•	29.			GL	950.00	feet
Date			19-JUL-	2007`						15.51
Run Nun	nber	-	ONE						1	
Depth D	riller		3938.00	and the same of th	feet		1) 11	lared	lul	
Depth Lo	ogger		3964.00		*feet		1	12/3~2		7
First Rea	ading		3962.00	,,	feet		.,,,,,,			
Last Rea			0.00	, :	feet			~	/ 1	
Casing [1325.00		feet	(7		hive	100	
Casing L	ogger		1334.00	<i>y</i> •	feet			· · · · · · · · · · · · · · · · · · ·	1)	1.00
Bit Size			6.38		inches		11-5	, prv		55/
Hole Flu			NONE			1	* "			A WALL
	/ Viscosi	ty				("	シグー	-1 Hu		
PH / Flui						المهدار الأما				
Sample				·		• •	500	$\wedge \wedge \wedge$.15	െ -
	leasured		-3-				1	7-	· · · · · · · · · · · · · · · · · · ·	t-hell.
	<i>l</i> easure	<u>-</u>		- Marie			.~			
	Measure		<u> </u>							i. 75
	Rmf / Rm	ic .				*.	ILY.	<u> </u>	1-55	Ocal
Rm @ B		-					,	-		4/1
Time Sir	ice Cirçu	ılation	4 HRS	٠		200			7	אישטאן >

deg F

DUNBAR

Brica





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

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Notary Public

My commission expires November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1906 Pine Manor Roed Charlecton, WV 25301 My Concression Expires Nov. 18, 2008

W:\Tinki\Special Field Bules\affidavit_form:doco-

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

Well #826486, Logan Co., WV, API#47045020190000

FORMATION TOPS (MD)

LTLL	1315.89
BGLM	1369.00
INJUN	1532.58
WEIR	1647.30
SNBR	2016.95
BERE	2046.69
HURNL	3272.48
JAVA	3375.44
ANGL	3506.17
RNSR	3603.90
MRCL	3844.72
ONDG	3869.77
TD	3924.00

RECEIVED
Office of Oil & Gas

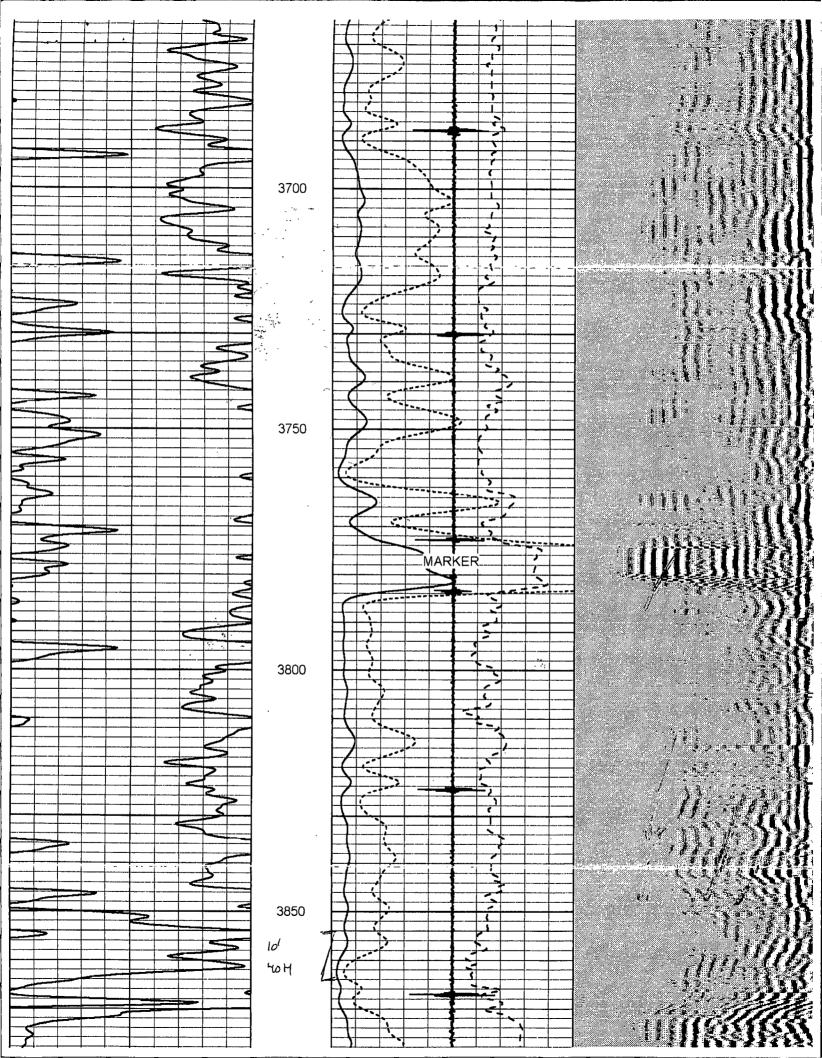
NOV 0 6 2007

WV Department of Environmental Protectic



GAMMA RAY CEMENT BOND VDL LOG

	CHESAPEAKE APPALACHIA ENERGY 826486 CHAPMANVILLE QUAD	Company	СНІ	ESAPEA	AKE.	APPA	LACHIA	ENE	RGY	<u></u>
	Ξ Y	Well	826	486			N	1 a	el	For J
	ALACH JAD	Field *		APMAN	VILL	Ę QU	AD			
	CHESAPEAKE APPALAC 826486 CHAPMANVILLE QUAD LOGAN	County	LÓC	GAN	••	,	State	W.\	<i>/</i>	
	EAKE	Location:			API	# : 47	'-045-02019			Other Services
	SAPE 36 MAI									
	CHESAF 826486 CHAPM LOGAN W.V.	ě								
200			SEC	TWP		RGE				Elevation
	Company Well Field County State	Permanent Da Log Measured		G.L G.L	,		Elevation	957		K.B. 963
	Compa Well Field County	red Fro							D.F. G.L. 957	
3	Date		9-04-2007							
	Run Number		ļ ·	ONE						
	Depth Driller		3900							
425	Depth Logger		3897							
9	Bottom Logged Inter	val		3894						
4	Top Log Interval			1750						
100	Open Hole Size			6.38						
ì	Type Fluid			N/A						
2	Density / Viscosity			N/A N/A				-		
	Max. Recorded Tem Estimated Cement 1			2324						
	Time Well Ready	<u>op</u>		N/A	_					
	Time Logger on Bot	tom		N/A						
	Equipment Number			UNIT#2						
	Location			ONVILLE	W.V					
	Recorded By			B CASTO						
	Withessed By		MR.	JIM RUSS	ELL					
1	Borehole Record Run Number Bit From				Tubing Record					
		Bit From 375 1277		To 3900	3	ize	Weight		rom	To
	0.0	12/1		5500				<u> </u>		
į								<u> </u>		<u> </u>
that are	Casing Record	Size		Wg	t/Ft		Top			Bottom
	Surface String	7"					SURF			1277
î	Prot. String Production String	4 1/2 "					SURF			T.D.
l	i roddodon Odnig	7 112								1.0.



Uphale Morked

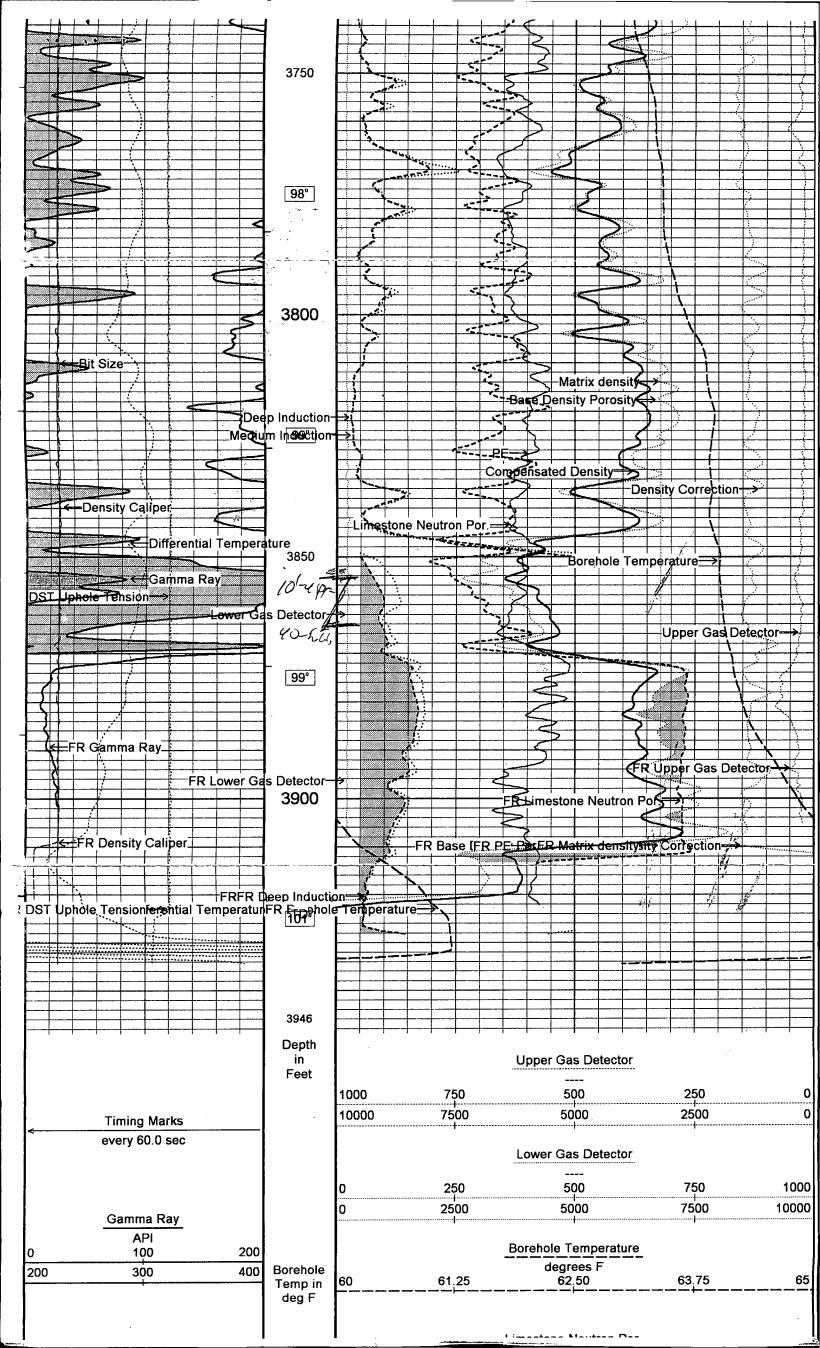




Source Rmf / Rmc

PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

I	•				٠.								
COMPA	.NY		CHESA	PEAKE	APPAL	ACIHA	, LLC.						
WELL			326486										
1	FIELD CI			CHAPMANVILLE PROSPECT/CHAPMANVILLE QUAD									
				UYAN DISTRICT / LOGAN COUNTY									
THOU THOU BOOK TO				SA / WEST VIRGINIA									
1	RY/STATE	=		11 FEET SOUTH OF LATITUDE 37°55'00"									
LOCATI	ION	(DITEE	333 FEET WEST OF LONGITUDE 82°05'00"									
						LUNG	HUDE	02 0	300				
LSD	SEC	TWP	RGE	Other Ser			CAL	IPER					
			ļ	GAMMA					CTOR				
API Nun		7-045-02	019	TEMPER			GAS	טבוב	CIOR				
Permit N	Number 02	2019	<u>; </u>	DATA PA		F4		Fleva	tions:				
Perman	ent Datun	n GROU	IND LEVEL	₋ , Elevatior	า 957	feet		KB	963.00	feet			
	Log Measured From KB, 6			above Pe	rmanent	Datum		DF		feet			
Drilling	Measured	From K				•		GL	957.00	feet			
Date			31-AUG	-2007									
Run Nu	ımber		ONE										
Depth [Oriller		3900.00		feet								
Depth I	Logger		3924.00		feet					 			
First Re	eading		3923.00)	feet		_						
Last Re	eading		0.00		feet		Sever	-					
Casing	Driller		, 1277.00		feet		<u> </u>						
Casing	Logger		· 1277.00	0	feet								
Bit Size			6.38		inches		Lajon						
Hole F	luid Type		AIR				-		+ = :				
	y / Viscosi							\rightarrow					
PH / FI	luid Loss	74.			<u></u> ,	/ B	Lone	}					
	e Source												
	Measured												
	Measure							<u>. :</u>					
Rmc @) Measure	ed Temp)										





Brett Loflin Regulatory Compliance Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflip

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires _

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Manor Road Cheriasten, WV 25301 My Concression Expires Nov. 18, 2008

W:\Tinki\Special Field Rules\afficiavit_form.doo.

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

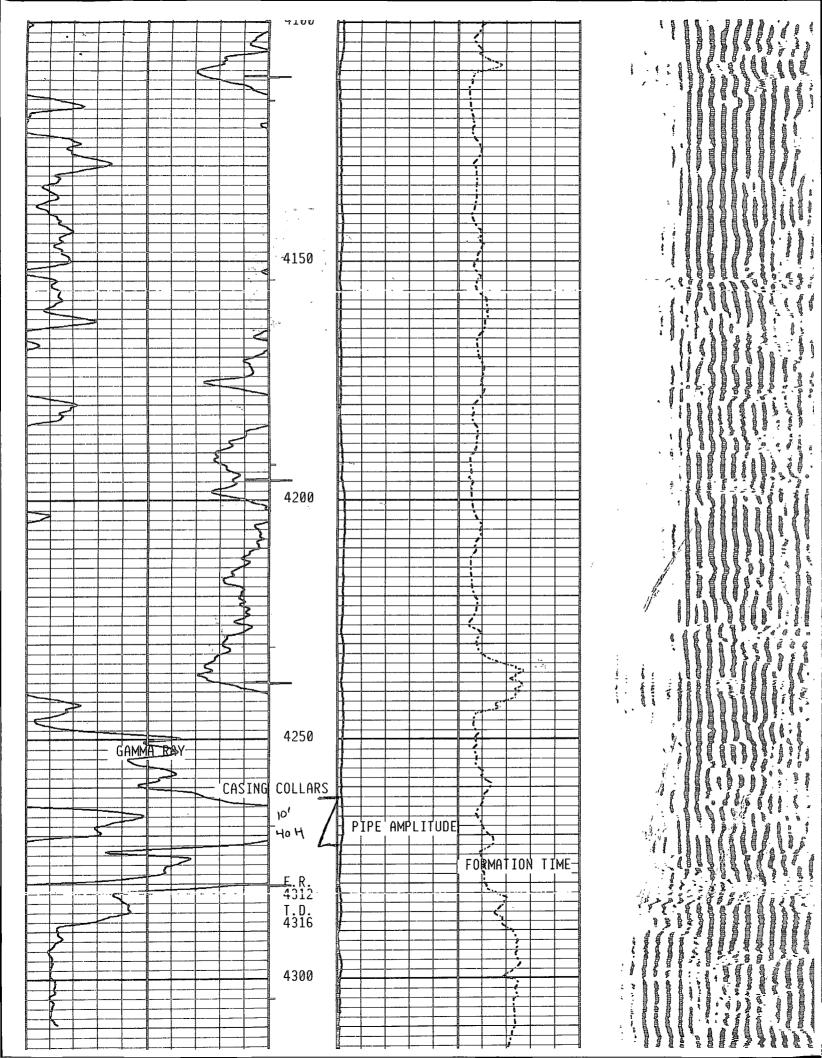
API Number	Well Number
045-02038	826678
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005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

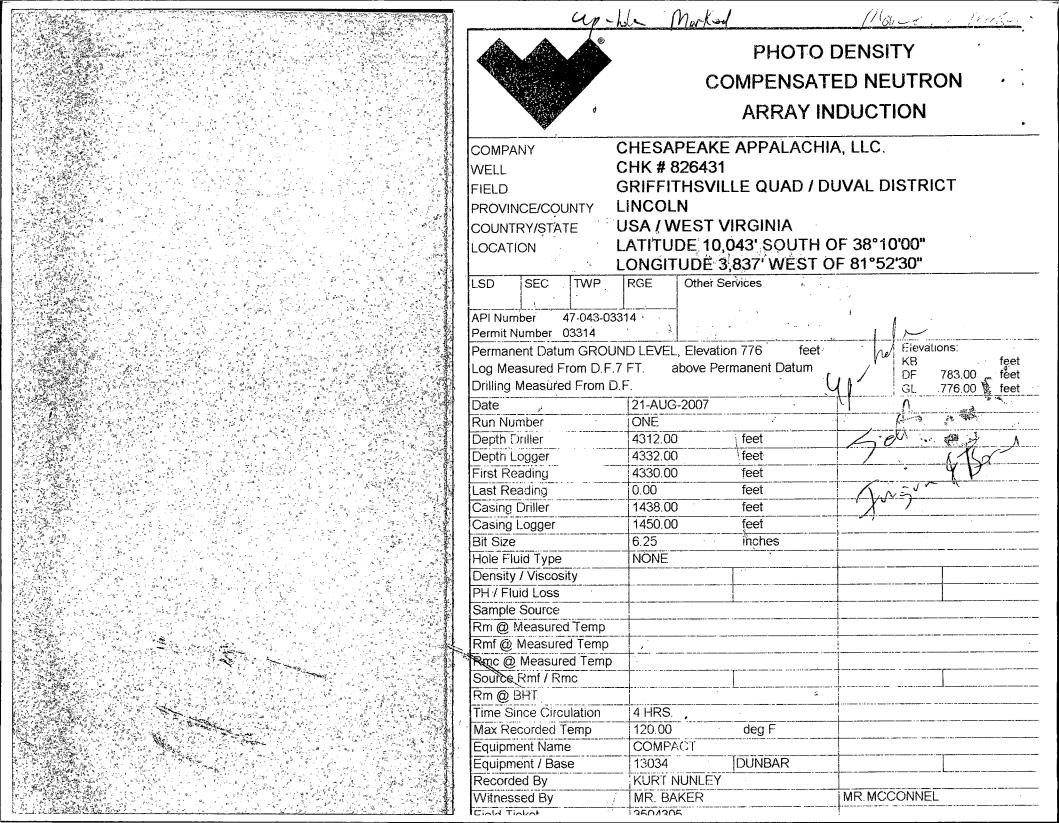
Chesapeake Energy Corp.-Eastern Division Chesapeake Energy 826431 Lincoln County, WV 47-043-03314-0000

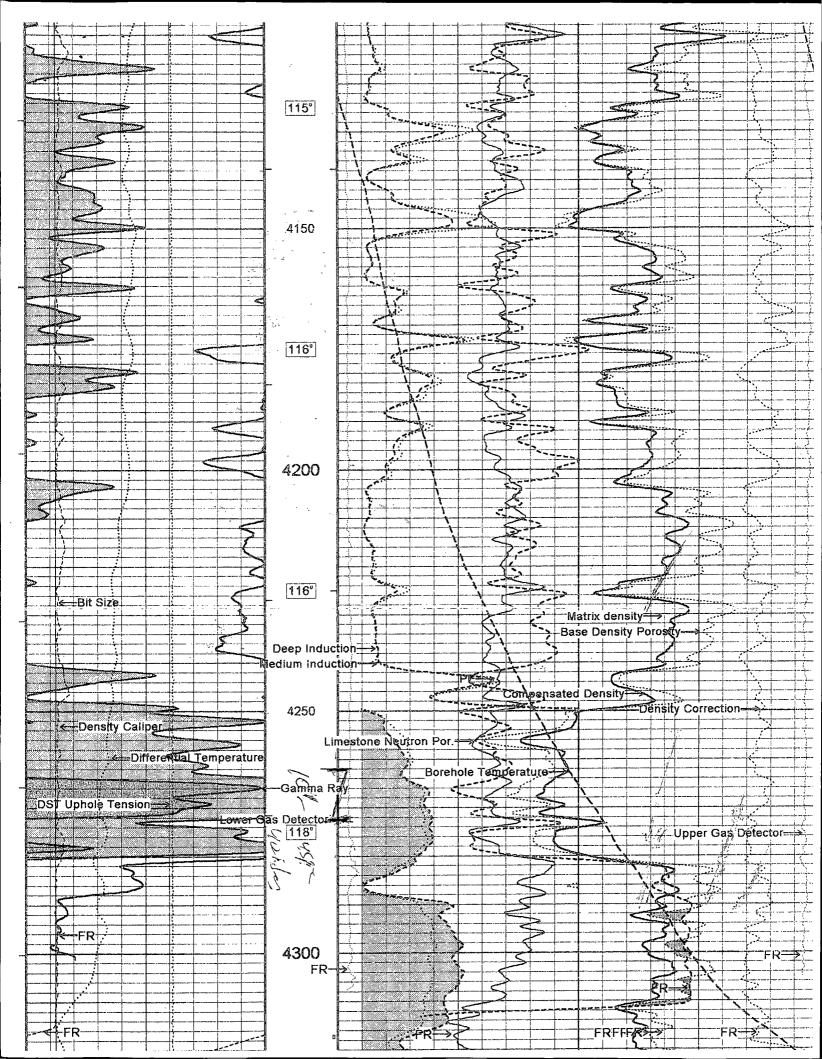
FORMATION	TOPS
LTLL.	1438.17
BGLM	1474.29
INJUN	1625.15
SQUW	1642.14
WEIR	1754.76
SNBR	2090.47
BERE	2111.72
HURNL	3550.19
JAVA	3686.17
ANGL	3828.53
RNSR	3932.65
MRCL	4250.07
ONDG	4283.90
TD	4332

100

EQUIPMENT DATA









Brett Loflin Regulatory Compliance Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

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 wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5	Further,	Affiant	saith	not
J.	i uitiici,	AIHAIK	Jailli	HOL.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pine Menor Roed Cherleckin, WV 25301 My Congression Expires Nov. 18, 2008

W:\Tinki\Special Field Pules\affidavit form dos

Attachment A

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043-03323	826264
043-03318	826147
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045-01992	825912

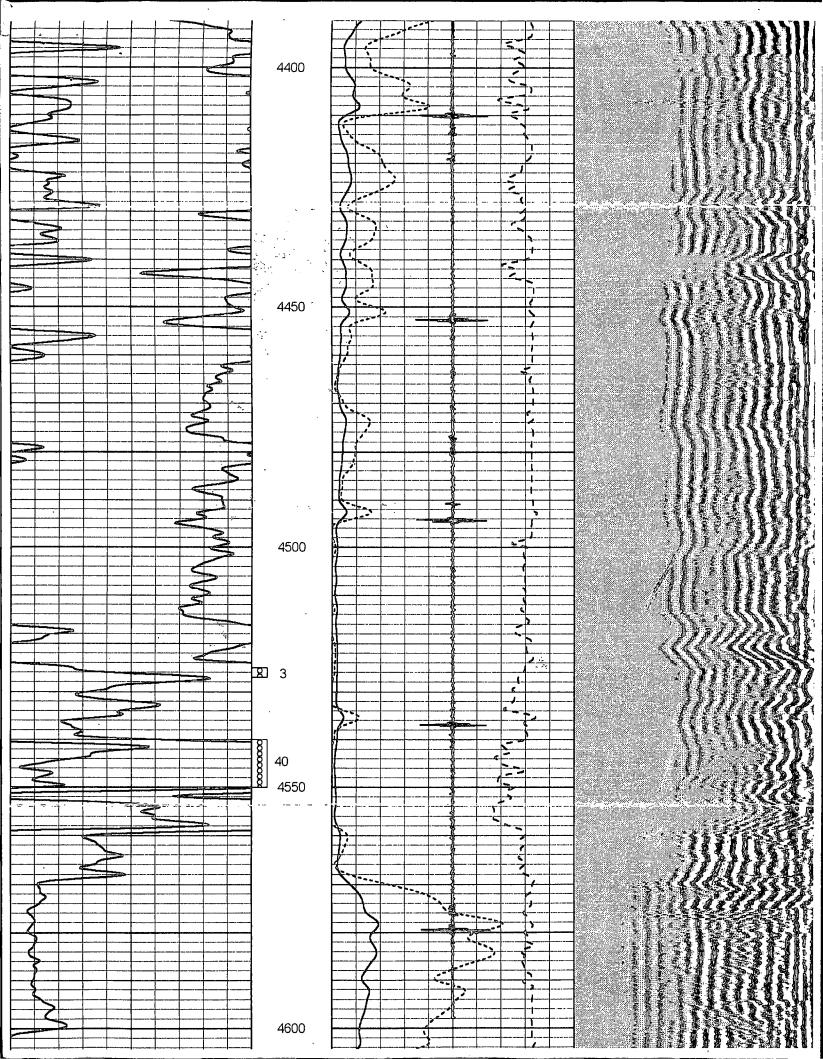
Chesapeake Energy Corp.-Eastern Division Chesapeake Energy 826429 Logan County, WV 47-043-03326-0000

FORMATION	TOPS
LTLL BGLM WEIR SNBR BERE GRDN HURNL JAVA ANGL RNSR MRCL	1735.68 1792.61 2040.86 2380.30 2402.35 2622.76 3837.25 3971.70 4110.56 4220.77 4526.50
ONDG	4561.11
TD	4630
. —	



GAMMA RAY CEMENT BOND VDL LOG

1			A						
CHESAPEAKE APPALACHIA ENERGY 826429 / KING ENTERPRISES ET AL BOONE BLOCK LINCOLN	Company					LACHIA RPRISES			,
RPRIS	Field	ВО	ONE BL	оск					
APPA	County	LIN	ICOLN			State	W.V	/ .	
EAKE KING KLOCI	Location:			API	#: 47	-043-03326		(Other Services
CHESAPEAKE APPALACHIA E 826429 / KING ENTERPRISES BOONE BLOCK LINCOLN W.V.		SEC	TWP	`	RGE	š -		-	Elevation
Company Well Field County	Permanent Da	atum	G.L			² Elevation	1013	3	
Compa Well Field County State	Log Measured			*		Liovation	1010	· [1	K.B. 1019 D.F.
Comp Well Field Count	Drilling Measu			-					G.L. 1013
Date		1	9-13-2007					L	
Run Number		 	ONE						
Depth Driller			4612						
Depth Logger			4615						
Bottom Logged Inte	rval		4612						
Top Log Interval			2200						
Open Hole Size			6.25						
Type Fluid			N/A						
Density / Viscosity		 	N/A						
Max. Recorded Ten Estimated Cement			N/A 2742						·
Time Well Ready	ιυμ	+	N/A						
Time Logger on Bot	tom	1	N/A						
Equipment Number			UNIT#2						
Location		SISS	SONVILLE V	V.V					
Recorded By			B CASTO		****				
Withessed By									
	rehole Record					Tubing			
	Bit From		To	Siz	ze	Weight	Fr	om	То
; <u>6</u>	25 1750	' -	4612				ļ		
!							-		+
									
Casing Record	Size		Wgt	/Ft		Top	<u>' </u>		Bottom
Surface String	7"					SURF			1730
Prot. String									
Production String	4 1/2 "		1			SURF			T.D.



"I Prote SHARABO / She Morked

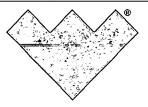


PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

JPANY

CHESAPEAKE APPALACHIA, LLC

826/ 9 / KING ENTERPRISES ET. AL.

FIELD,

ONE BLOCK / GRIFFITHSVILLE QUADRANGLE

PROVINCE/COUNTY

JUVAL DISTRICT / LINCOLN

COUNTRY/STATE

FIELD TICKET

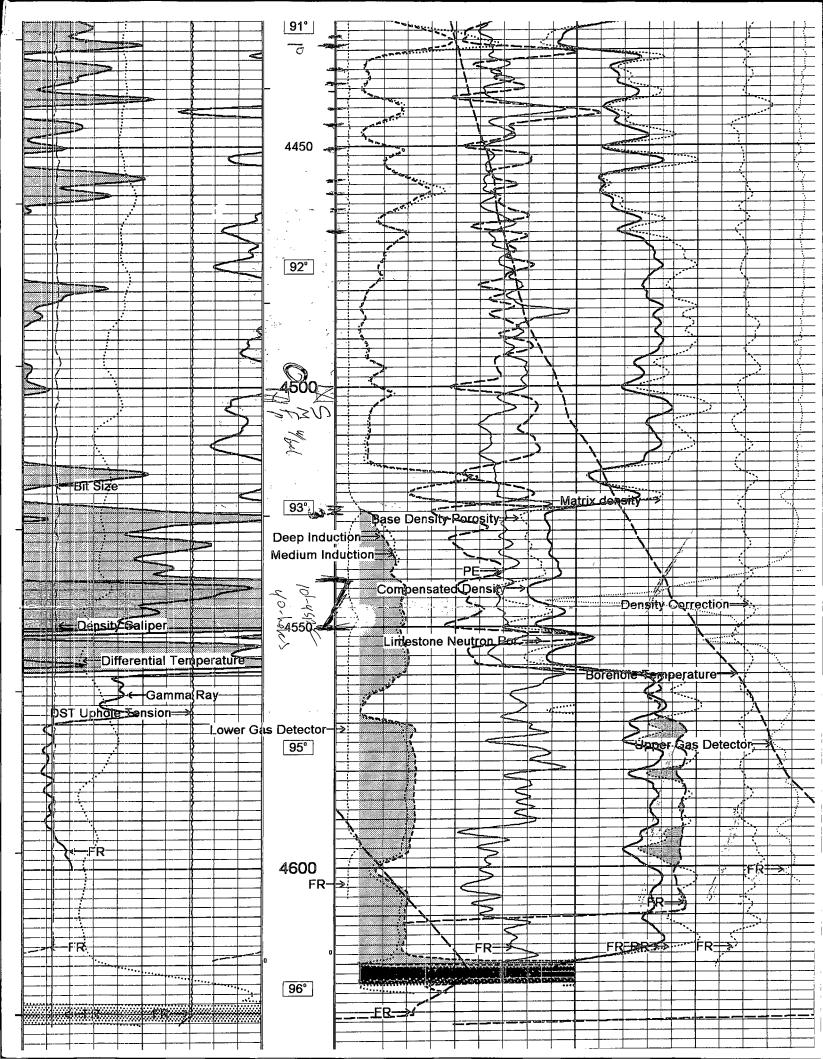
3504363

"ISA / WEST VIRGINIA

LOCATION

389' SOUTH OF LATITUDE 38°12'30"

		. 1	1,352	WEST	OF LON	GITUD	E 81°5	5'00"		
LSD	SEC	TWP .	RGE	Other Se).				
	•			1	TECTOR		· * TEM		TURE	1
API Num		7-043-0332	26	GAMMA	RÀY '	·	' CALI	PER		1
	تاطسرا						·			
Permar	ilteر' :	, 'N	D LE 'EL	Elevation	า 1013	feet		Eleva		1
Log Mea	is.	۶	EST -	above Pe	rmanent D	atum		KB DF	1019.00	feet feet
Drilling N	/lea	.3						GL	1013.00	feet
Date	ρ'		11-SEP	-2007						
Run Nur	nber		ιĒ						*******	
Depth D	riller	•	₊ 612.00	1 14	feet					
Depth Lo	ogger		4230.00)	feet		***************************************			
First Rea	ading	· · · · · · · · · · · · · · · · · · ·	4630.00)	feet					
Last Rea	ading		0.00		feet					
Casing [Driller		1730.00)	feet					. 1
Casing I	ogger		1734.00)	feet					
Bit Size			6.25		inches					
Hole Flu			AIR	/ 5						
	/ Viscosit	y								
PH '.⊊lu										
Sar 'e	Source			,						
	/leasured									
	Measured									
	Measure		/ .							
	Rmf / Rm	iC								
Rm @ E										
t	nce Circu		4 HOUF	RS						
	corded Te	•	96.00		deg F					
_ ` '	ent Name		COMPA	ACT						
	ent / Base	9	13030		CHA					
Recorde	•		T. FINN							
Witness	sed By		MR. BA	KER						





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

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Brett ∕⊾oflig

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5. Further, Affiant saith no	5.	t	o. Furtr	ner.	Affiant	saith	not
------------------------------	----	---	----------	------	---------	-------	-----

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFIGUAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Menor Roed Charlesten, WV 25301 My Contribution Expires Nev. 18, 2008

W:\Tinki\Special Field Bules\affidavityform:doc--------

Attachment A

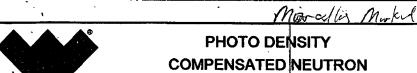
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043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828 045-01991	825789
	825906
045-01992	825912

Chesapeake Appalachia, L.L.C. Well # 825912 Guyan District, Logan County API: 47-045-01992-0000

Formation	Тор	Bottom
Salt Sand	700	1650
Little Lime	1650	1697
Big Lime	1697	1841
Sunbery	2350	2378
Berea	2378	2392
Lower Huron	3605	3716
Java	3716	3834
Angola	3834	3937
Rhinestreet	3937	4187
Marcellus	4187	4204
Onondaga	4204	
TD	4265	

...



ARRAY INDUCTION

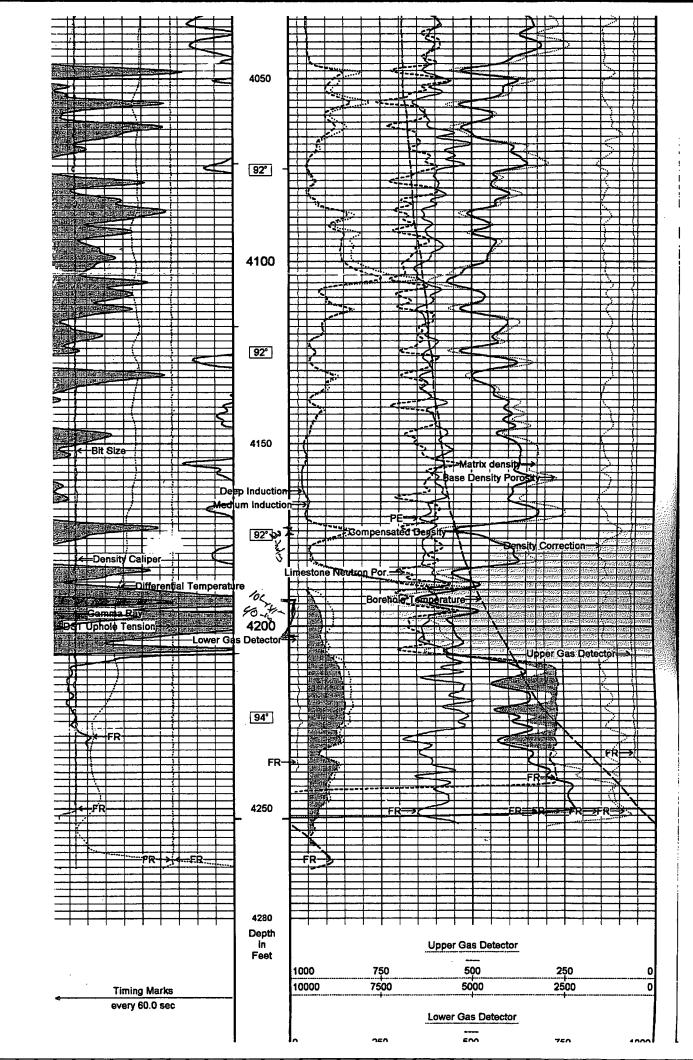
CHESAPEAKE ENERGY

WELL 825912

FIELD CHAPMANVILLE / CHAPMANVILLE QUADRANGLE

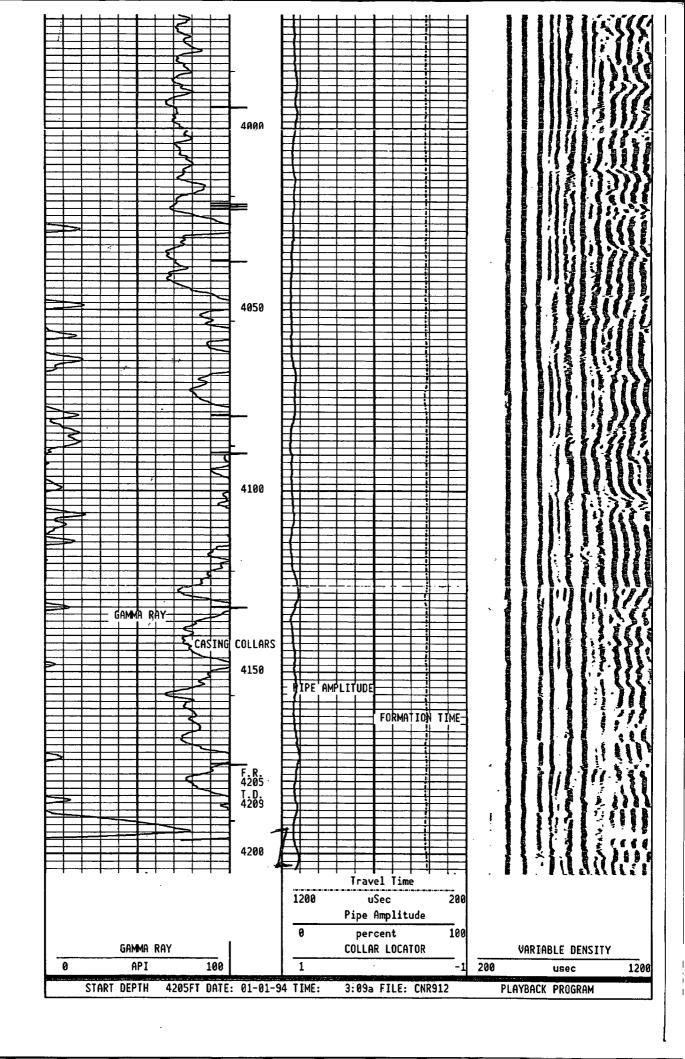
PROVINCE/COUNTY GUYAN / LOGAN

PROVINCE COUNTY GOTANT LOC							1			
COUNT	RY/STAT	_		EST VIRG			1			
LOCATION	ON		LAT. 11	,240' SOU	TH OF 37	° 55'	00°			
				5,078' WE				1	FIELD I	RINT
LSD	SEC	TWP	RGE	Other Service						
			-	ŕ			İ			
API Num	ber 4	7-045-01	992	*						
Permit N	umber 0	1992					İ			
Permane	ent Datur	n GROU	ND LEVE	, Elevation 12	76 feet				ations:	
Log Mea	sured Fr	om D.F.	6 FEET	above Perma	nent Datum			KB DF	1282.00	feet feet
Drilling N	deasured	i From D).F.					GL	1276.00	feet
Date			13-SEP	2007	,	Τ				
Run Nur	nber		ONE			1				
Depth D	riller		4240.00	fee	et .	 				
Depth Lo	ogger	4265	4565:00	r fee	at .	1				
First Re	ading		4264.00	· fee	et .			-		
Last Rea	ading		0.00	fee	et					
Casing [Oriller		1656.00	fee	et				-	
Casing I	_ogger		1656.00	fee	et .					
Bit Size			6.38	inc	hes					
Hole Flu			NONE							
	/Viscosi	ty								
PH / Flu										
Sample										
	leasured			<u> </u>						
	Measure		<u> </u>	· .						
	Measure									
	Rmf / Rm	nc								
Rm @ B							L			
	nce Circu		7 HRS	·						
	corded T						<u> </u>			
	ent Name		COMPA							
	ent / Bas	<u>e</u>	13019	CH/	AS					
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FIELD T	ICKET		350441	1		Las	Line			•



	<u> </u>								
	CEM	_, _,	MA RAY	LOG					
COMPANY CHESAPEAKE APPALACHIAN ENERGY									
WELL CHK #82 FIELD CHAPMAN	5912								
FIELD CHAPMAN	VILL	Ę							
COUNTY LOGAN	<u></u>		ST/	ATE _W.	VA.				
LOCATION QUAD: W.S.:				OTHER S					
SECTV	VP	RGE		PERMI: 47-045					
			v 1276	ELE	y				
PERMANENT DATU LOG MEASURED FI ABOVE PERMANEN DRILLING MEASUR	IT DAT	UM	FT.	K.B D.F	<u>82</u> 76				
DATE	T	114,2007		<u> </u>	<u>, </u>				
RUN NO.	SEL		_						
TYPE LOG	6R	ONE /CBL/VDL							
DEPTH-DRILLER		4240							
DEPTH-LOGGER	ļ	4209							
BOTTOM LOGGED INTERVAL TOP LOGGED INTERVAL	+	4205 2000			—				
TYPE FLUID IN HOLE	WAT	ER I			_				
SALINITY PPM CL		N/A		-					
DENSITY		N/A							
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f ;





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- As Vice President-Operations, Eastern Division, my responsibilities include general
 oversight of departments responsible for the completion and drilling of Chesapeake
 wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February , 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Busty J. Psolini 1909 Pine Menor Roed Charleston, WV 25301 My Controlssion Expires Nov. 19, 2009

W:\Tinki\Special Field Rules\affidevit_form:doos

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

Chesapeake Appalachia, L.L.C. Well # 825906 Guyan District, Logan County API: 47-045-01991-0000

Formation	Тор	Bottom		
Salt Sand	500	1690		
Little Lime	1690	1720		
Big Lime	1720	1865		
Sunbery	2372	2400		
Berea	2400	2409		
Lower Huron	3617	3720		
Java	3720	3848		
Angola	3848	3949		
Rhinestreet	3949	4197		
Marcellus	4197	4214		
Onondaga	4214			
מד	4288			

Shale & Muzella Makar



PHOTO DENSITY COMPENSATED NEUTRON ARF JUSTION

COMPANY CHESAPEAKE APPALACHIA, LLC.

WELL **825906**

FIELD CHAPMANVILLE PROSPECT

3504380

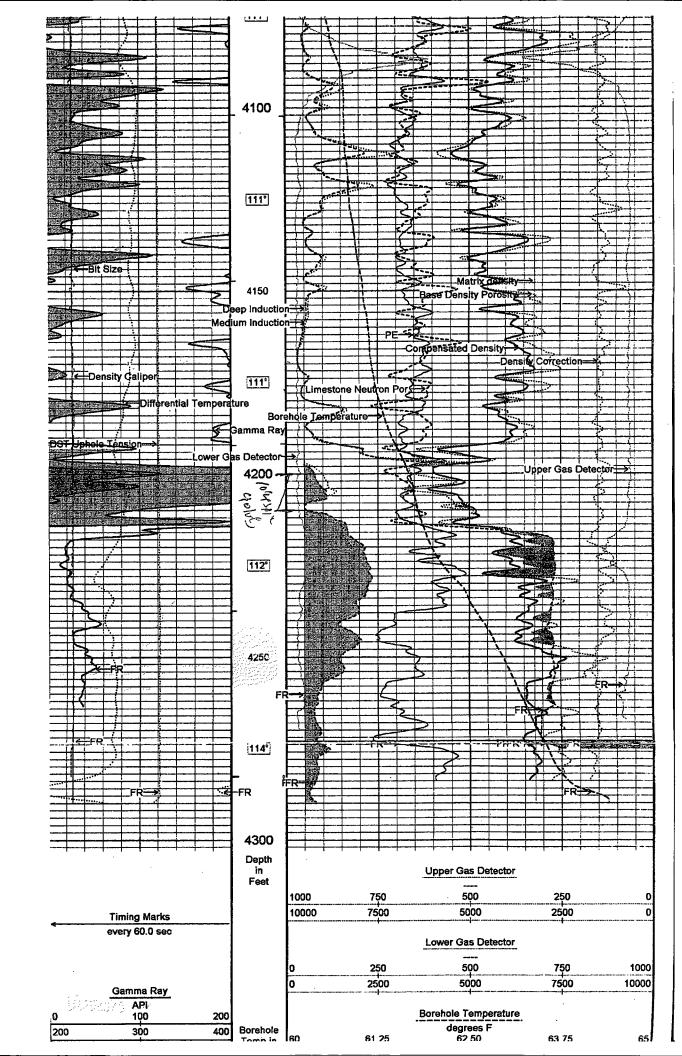
FIELD TICKET

PROVINCE/COUNTY GUYAN DISTRICT / LOGAN COUNTY

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION 11616 FEET SOUTH OF LATITUDE 37°55'00"

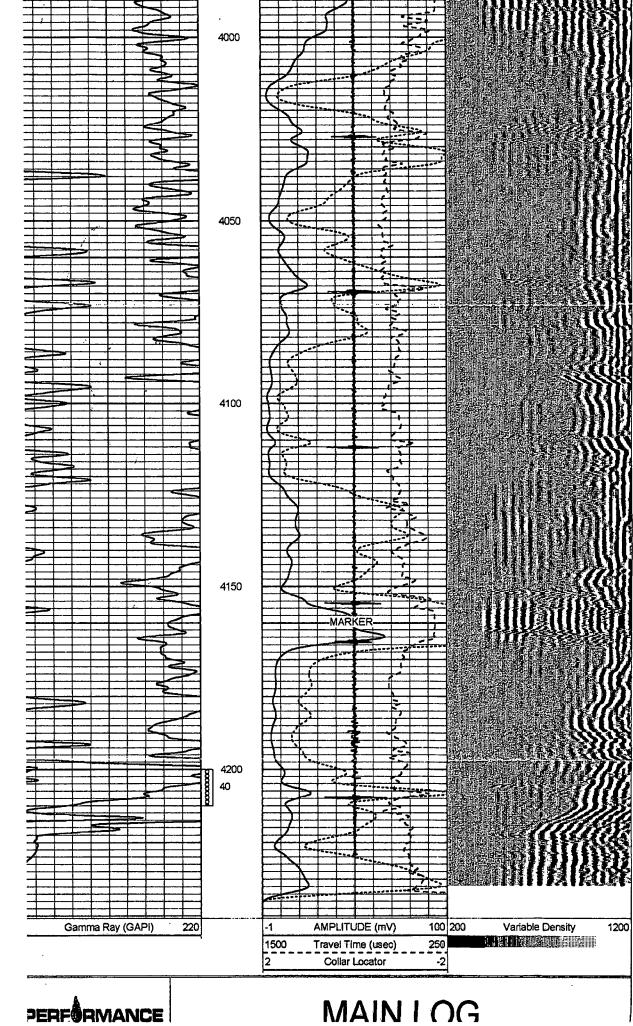
6864 FEET WEST OF LONGITUDE 82°02'30" Other Services SEC TWP LSD RGE GAMMA RAY CALIPER TEMPERATURE GAS DETECTOR API Number 47-045-01991 Permit Number 01991 DATA PACK Permanent Datum GROUND LEVEL, Elevation 1273 Elevations: 1281.00 feet Log Measured From KB, 8 FEET above Permanent Datum feet **Drilling Measured From KB** 1273.00 GL 07-SEP-2007 Date Run Number ONE Depth Paller 4210.00 feet 4288.00 Depth Logger feet First Reading 4287.00 feet Last Reading 0.00 feet 1686.00 Casing Driller feet 1688.00 Casing Logger feet Bit Size 6.38 inches Hole Fluid Type AIR Density / Viscosity PH / Fluid Loss Sample Source Rm @ Measured Temp Rmf @ Measured Temp Rmc @ Measured Temp Source Rmf / Rmc Rm@3HT Time Since Circulation 6 HOURS Max Recorded Temp 114.00 deg : COMPACT Equipment Name Equipment / Base 13034 DUNBAR Recorded By DEWEY TAYLOR MR. VERNATTER Witnessed By





GAMMA RAY CEMENT BOND VDL LOG

CHESAPEAKE APPALACHIA ENERGY 825906 CHAPMANVILLE QUAD LOGAN	Compar Well Field	82	CHESAPEAKE APPALACHIA ENERGY 825906 CHAPMANVILLE QUAD							
APP E QL	County	LC	GAN			State	W.V.			
CHESAPEAKE APPALA 325906 CHAPMANVILLE QUAD LOGAN	Location	i.		API	#: 47	'-045-0199'	1	Other	Services	
		SEC	TWP)	RGE	į		Flex	/ation	
Company Well Field County State	Permanent Log Measur Drilling Mea	ed Fron			•	Elevation	1273	K.B. 12 D.F. G.L. 12	281	
Date		1	9-10-2007							
Run Number			ONE							
Depth Driller			4210							
Depth Logger			4240							
Bottom Logged Inter	rval		4237			_				
Top Log Interval		-	2100 6.38							
Open Hole Size Type Fluid		+	N/A							
Density / Viscosity		_	N/A							
Max. Recorded Terr	מות.		NA							
Estimated Cement 1			2636							
Time Well Ready			N/A							
Time Logger on Bot			N/A							
Equipment Number		1	UNIT#2							
Location Co.		Sk	B CASTO	W.V						
Recorded By Witnessed By		1 AE	B CASTO R JIM RUSS	E1 1	 					
	rehole Reco		V OIM ICOSS	1		Tubin	Record			
Run Number E	3it Fn	om	To	s	ize	Weight	From		То	
		86	4210							
ļ										
Casing Record	Siz	<u> </u>	Wo	t/Ft		Тор		Botto	m	
Surface String	7"			WI L		SURF		168		
Prot. String										
Production String	4 1/2	2 "				SURF		T.D		
Liner	ļ <u></u>									
	1		1							



PERFORMANCE



Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.
- 5. Further, Affiant saith not.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February , 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFIGURE SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Bestly J. Paolini 1909 Pina Manor Road Charleston, WV 25301 My Concression Expires Nov. 18, 2008

W:\Tinki\Special Field Bules\affidavit form: dos

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981 045-01972	826491
045-01972	826490
045-01960	826489 826488
045-019/9	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
₹045-01828	825789
045-01991	825906
045-01992	825912
0.0 0100L	02001Z

FXCEDION OWE COMPY

Chesapeake Energy Corp.-Eastern Division Chesapeake Energy 825789 Guyan District, Logan County, WV 47-045-01828-0000

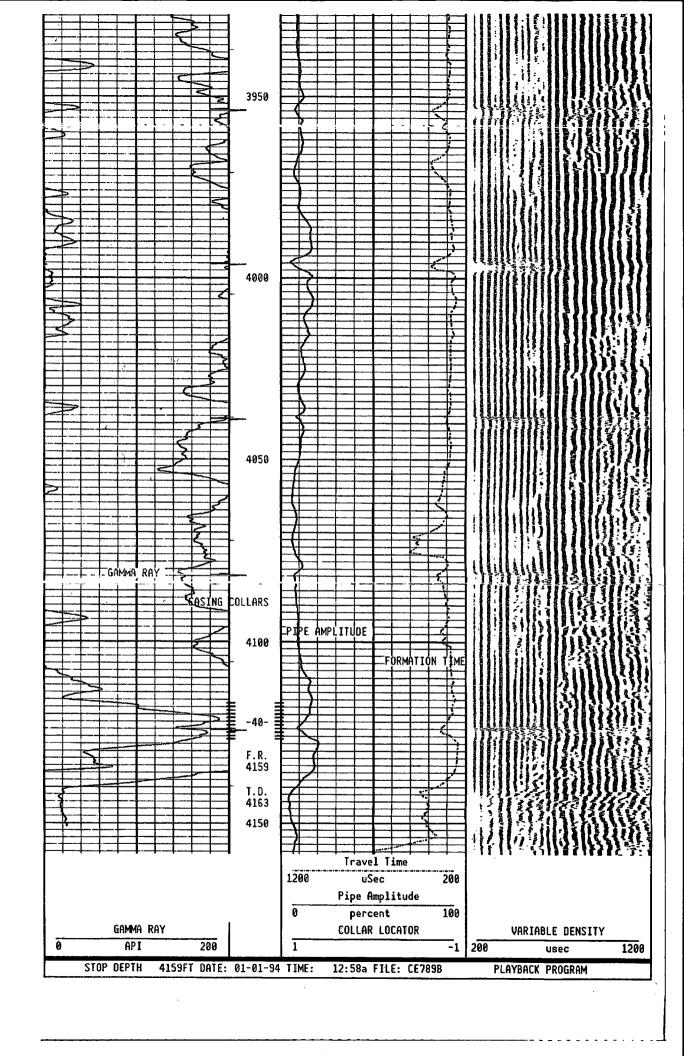
Ground elevation: 1061'

Formation	Тор	Bottom
Siltstone, Sand & Shale	0	439
Salt Sand	439	901
Siltstone & shale '	901	1151
Maxon	1151	1158
Shale	1158	1312
Little Lime	1312	1368
Big Lime	1368	1602
Shale	1602	1619
Injun	1619	1646
Shale	1646	1724
Weir	1724	1789
Shale	1789	2077
Sunbury	2077	2107
Berea	2107	2122
Shale	2122	3417
Lower Huron	3417	3584
Java	3583	3716
Pipe Creek	3710	
Angola	3715	3810
Rhinestreet	3810	4108
Shale	4108	4092
Marcellus	4092	4139
Onondaga	4139	
LTD	4182	

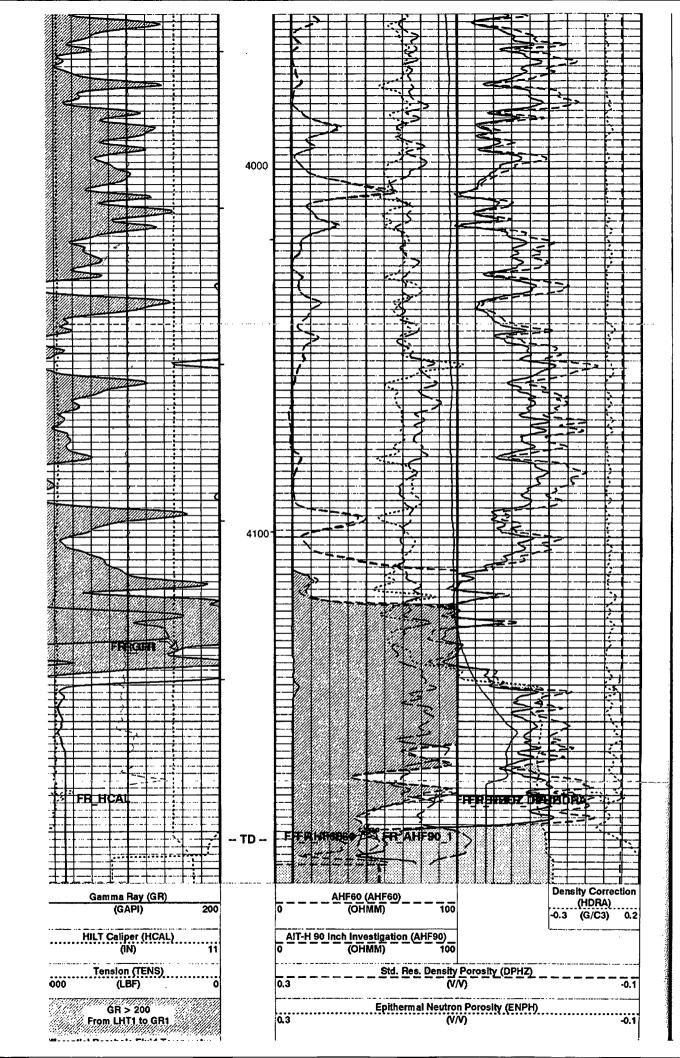
Depths are electric log data.

	4	GAMMA RAY CEMENT BOND/ VDL LOG COMPANY CHESAPEAKE APPALACHIAN ENERGY WELL #825789 FIELD GUYAN DISTRICT								
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DATE				JUN.	20.2006					
RUN	NO.			ONE			1			
TYPE	LOG			GR/CBL/VDL						
	H-DRILL			4190						
B · ·	H-LOGGE				4163					
	OM LOGG			4159						
	LOGGED		-	1700						
	FLUID			W	ATER					
	INITY P	PM CL			N/A	L				
	SITY				N/A	_		4		
LEV		ח חרכ ד			FULL N/A	L				
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RECORDED BY WITNESSED BY				MR.		⊢		 		
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RUN	B 0	RE-HOLE	RECO	ORD			CASING	RECORD		
NO.	BIT	FROM			SIZE		WGT	FROM	TO	
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CHAPMANVILLE PROSPECT 3760 FT W. OF LONG 81-57-30 CNR 825789 CHESAPEAKE ENERGY CORP		ĊΩΙ	MPENS	SATED	NEİ	JTROI	N.					\sqcap
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W 785	į	1124	5 FT S. Of	F LAT 37-57	-30		_		G.L.	1051 ft	1	\vdash
CHAPMANVI 3760 FT W. C CNR 825789 CHESAPEAK	LOCATION								D.F.	1061 ft		
MB 85		Perm	nanent Dat	um:	-	UND LE		Elev.:	1051		_	
		Log I	Measured	From:	KELL	Y BUSH	ING	10.0 ft	abové	Perm. D	atum	
; ;		Drillin	ng Measur	ed From:	KELL	LY BUSH	ING					
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ogging Date				17-Jun-2006								
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chlumberger [n		4182 ft								
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Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

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Sincerely,

Brett Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- As Vice President-Operations, Eastern Division, my responsibilities include general
 oversight of departments responsible for the completion and drilling of Chesapeake
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- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

	5.	Further,	Affiant	saith	not.
--	----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pina Manor Roed Charleston, WV 25301

W:\Tinki\Special Sield Sules\affidavit form dos

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
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039-06020	826626
045-02018	826609
045-02017	826608
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045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

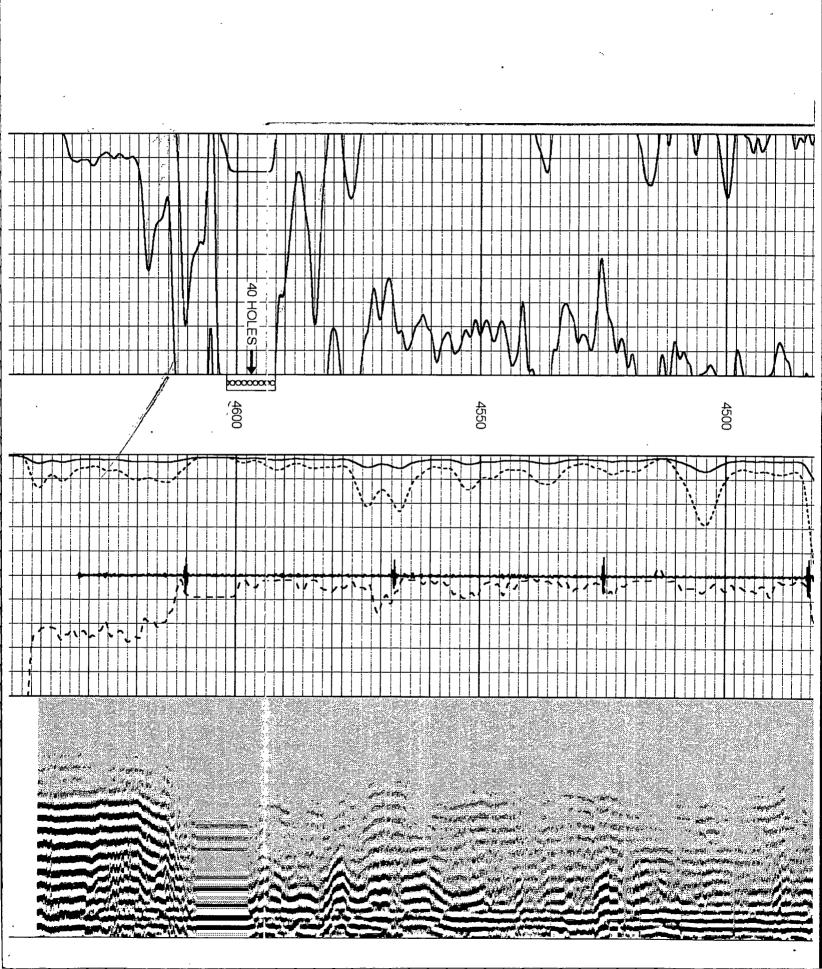
Chesapeake Appalachia, L.L.C. Well # 804069 - DD Scott <u>District</u>, Boone County API: 47-005-00075-0000

Formation	Тор	Bottom
Salt Sand	917	1635
Little Lime	1758	1826
Big Lime	1826	2004
Sunbery	2463	2496
Berea	2496	2522
Lower Huron	3906	4038
Java	4038	4175
Angola	4175	4284
Rhinestreet	4284	4581
Marcellus	4581	4618
Onondaga	4618	
TD	4684	



GAMMA RAY / BOND CEMENT

A, LLC	Well	#804069		- · · · · · · · · · · · · · · · · · · ·	-	
4LCHI/	Field	BOONE BLO	CK			
: APP/ K IA	County	BOONE		State	WEST	VIRGINIA
AKE OC.	Location:		API#:			Other Servic
CHESAPEAKE APPALCHIA, LLC #804069 BOONE BLOCK BOONE WEST VIRGINIA						PERF
		SEC TWP	RGE			Flevation
Şi ,	Permanent Da				1197	
Permanent Datum GROUND LEVEL Elevation 119 Log Measured From Drilling Measured From						K.B. 1205 D.F. 1205 G.L. 1197
Date		7/27/2007	1			1
Run Number		ONE				
Depth Driller		4670				
Depar Drillor			1		ı	
Depth Logger		4645				
Depth Logger Bottom Logged Inte	rval	4643				
Depth Logger Bottom Logged Inte Top Log Interval	rval					
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size	rval	4643 2650				
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size Type Fluid	rval	4643				
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size Type Fluid Density / Viscosity		4643 2650				
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten	np.	4643 2650 WATER				
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement	np.	4643 2650				
Depth Logger Bottom Logged Inte Top Log Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready	np. Top	4643 2650 WATER				
Depth Logger Bottom Logged Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready Time Logger on Bot	np. Top ttom	4643 2650 WATER				
Depth Logger Bottom Logged Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready Time Logger on Bot Equipment Number	np. Top ttom	4643 2650 WATER 2920				
Depth Logger Bottom Logged Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready Time Logger on Bot Equipment Number	np. Top ttom	4643 2650 WATER 2920 SISSONVILE				
Depth Logger Bottom Logged Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready Time Logger on Bot Equipment Number Location Recorded By	np. Top ttom	4643 2650 WATER 2920 SISSONVILE B. RUBIN				
Depth Logger Bottom Logged Interval Open Hole Size Type Fluid Density / Viscosity Max. Recorded Ten Estimated Cement Time Well-Ready Time Logger on Bot Equipment Number Location Recorded By Witnessed By	np. Top ttom	4643 2650 WATER 2920 SISSONVILE		Tubina	Record	



Up-hale Morkey

Schlumberger

@

CHESAPEAKE APPALACHIA, L.L.C. ompany:

804069

ximum Recorded Temperatures

RMC RMF @ MRT

urce RMF

BOONE BLOCK

BOONE State: WEST VIRGINIA. ounty:

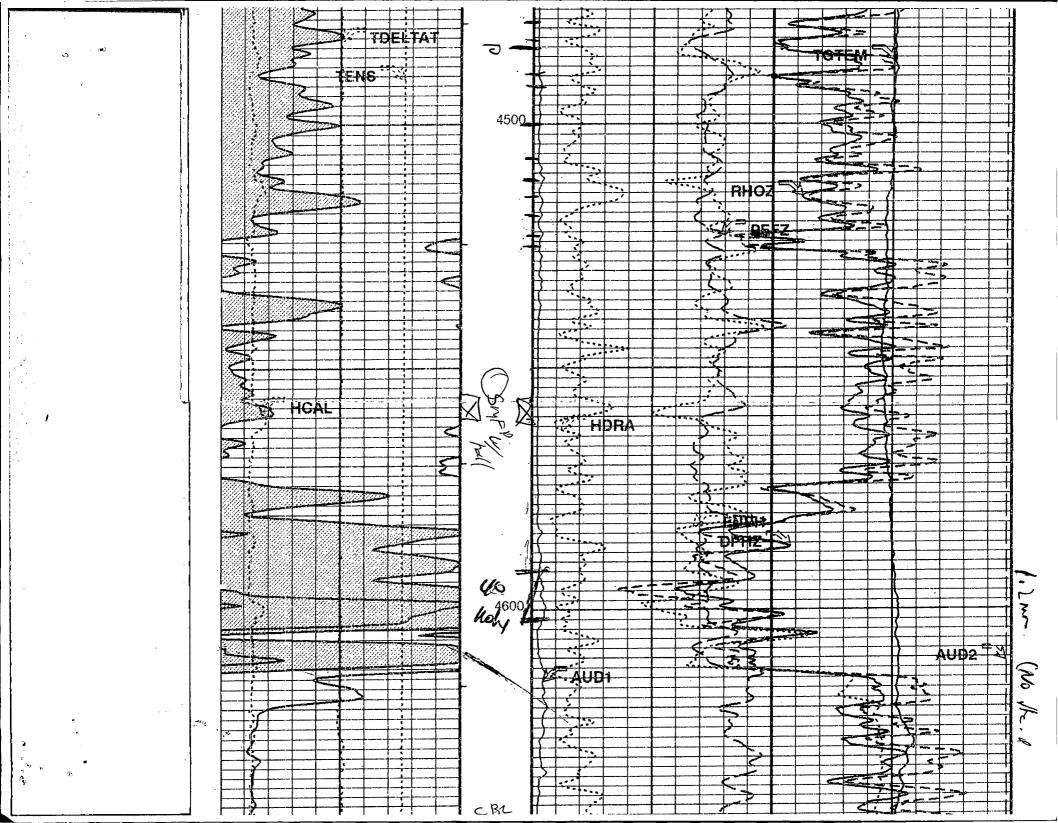
> LITHO-DENSITY / COMPENSATED NEUTRON **AUDIO / TEMPERATURE**

GAMMA RAY

T	LAT. 38* 07'.55.5" N		Elev.:	K.B.	1205 ft
	LONG. 81* 56 14.9" W			G.L.	1197 ft
				D.F.	1205 ft
DOA!	Permanent Datum:	GROUND LEVEL	Elev.:	1197 f	t

	Ų	38,	g	Ā	F							D.F.	1205 ft
	3	AT.	804069	CHESAF	Š	Permanent Dat	um: <u>(</u>	GROL	ND LEVE	L	Elev.:	1197 f	t
	ń	7	æ	\overline{O}		Log Measured	From: <u>+</u>	KELLY	BUSHIN	IG	8.0 ft	above	Perm. Datum
		ä		any:		Drilling Measur	ed From:(GROL	IND LEVE	<u> </u>			
,	rieia.	Location	Well:	Company		API Ser 47-005			DISTR		WATERS UP SEAGING CA		QUADRANGLE GRIFFITHSVILLE 7.5'
•	jgi	ing	Date	€			25-Jul-2007						
	n i	Vun	nber				2						
	oth	ı D	riller				4670 ft						
	าใบ	ımi	ergo	er D	ept	h	4669 ft						
	.to	m l	og l	nte	val		4665 ft.						
	'nĹ	.og	Inte	rval			1834 ft						
	SIF	ng [Orille	r Si	ze i	@ Depth	- 000 in		(i)	1843 ft			@
	sir	ıg S	3chli	ם וחנ	erg	et	1834 ft						
>	S.	ze.					6.250 in						
	ЭЕ	Fit	id Ir	Но	le		AIR						
	:11	sity		>	Ĭ	√iscosity	0 lbm/gal						
	ilc	d Lo	eec		V	PH]		
4	201	rce	Of S	Sam	ple								
	Ĺ	D N	leas	urec	ΙTe	emperature			<u>@</u>				@
	F	@	Mea	sure	ed T	emperature			@				<u>@</u>
j	<u> C</u>	@	Mea	sure	ed 7	Temperature			ω				0

108 degF





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Further, Affiant s	saith	not.
--------------------------------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Psolini 1909 Pine Menor Roed Cherleston, WV 25301 My Concrision Expires Nov. 19, 2009

W:\Tinki\Special Field Rules\affidavit form:docoo

Attachment A

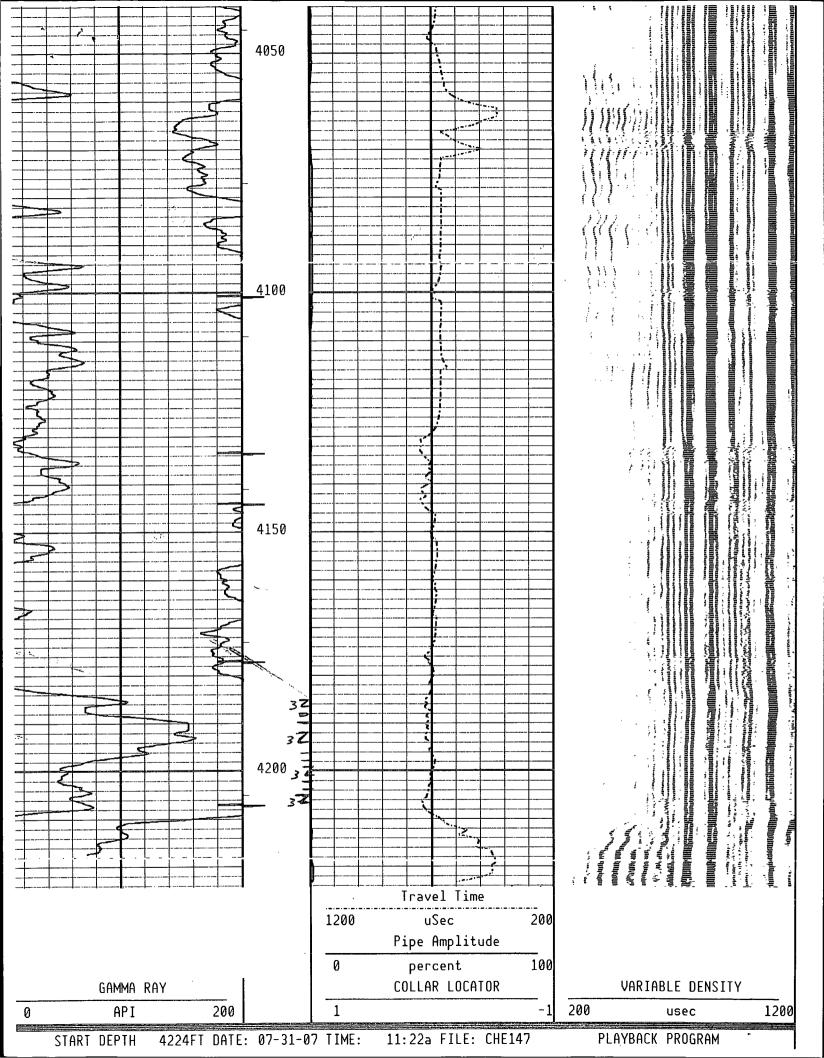
List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
.045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

Chesapeake Appalachia, L.L.C. Well # 826147 Harts Creek District, Lincoln County API: 47-043-03318-0000

Formation	Тор	Bottom
Salt Sand TOP	983	1379
Little Lime TOP	1762	1802
Big Lime TOP	1802	1983
Sunbery TOP	2554	2578
Berea TOP	2578	2590
Lower Huron TOP	3518	3780
Java TOP	3780	3896
Angola TOP	3896	3983
Rhinestreet TOP	3983	4183
Marcellus TOP	4183	4209
Onondaga TOP	4209	
TD	4260	

	GAMMA RAY CEMENT BOND/ VDL LOG							
EYS	COMPANY CH WELL # 8261	ESAPEAK 47	E APPAL	ACHIA	ENER	GY		
SURV	FIELD STATE _W.Va							
	LOCATION QUAD: RANGER W.S.		47- RG E	PERN -043-0		OTHER SE	RVICES	
	PERMANENT DATE LOG MEASURED ABOVE PERMANE DRILLING MEASU	UM G.I	L EL		1202 T.	K.B. 121 D.F G.L. 120	.0	
RUN NO. TYPE LOG DEPTH-DR DEPTH-LO	ILLER	GR/C 4	260					
IOP LOGG IYRE FLU SALTNII DENSII	ED INTERVAL IID IN HOLE Y PPM CL	WATE	600 R/ N/A N/A ULL N/A					
OPERATIN RECORDED WITNESSI	NG RIG TIME D BY ED BY	WEST	WO HR ERFIELD NICK.P					
RUN	BORE-HOLE R	E C O R D	SIZI		CASIN WGT	G RECORD	10	
	500		7.00 4.1	00		SURF SURF	T.D.	



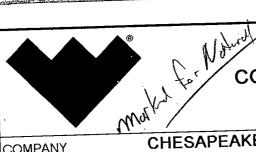


PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

FIELD PRINT

CHESAPEAKE ENERGY COMPANY

826147 CHESAPEAKE APPALACHIA, LLC WELL

HARTS CK. CENT. PROSP. / RANGER QUAD **FIELD** HARTS CREEK DISTRICT / LINCOLN COUNTY

PROVINCE/COUNTY **USA / WEST VIRGINIA** COUNTRY/STATE

7,339' S of LATITUDE 38° 02' 30" LOCATION

11,352' W of LONGITUDE 82° 07' 30" Other Services RGE SEC **TWP** LSD TEMPERATURE GAS DETECTOR CALIPER . **GAMMA RAY** 47-043-03318 API Number Permit Number 03318 Elevations. Permanent Dai m GROUND LEVEL, Elevation 1202 KΒ 1210.00 feet above Permanent Datum Log Measured From KB 8 FEET feet DF 1202.00 feet Drilling Measured From KB 19-JUL-2007 Date ONE Run Number feet 4260.00 Depth Driller feet 4258.00 Depth Logger feet 4258.00 First Reading

deg F

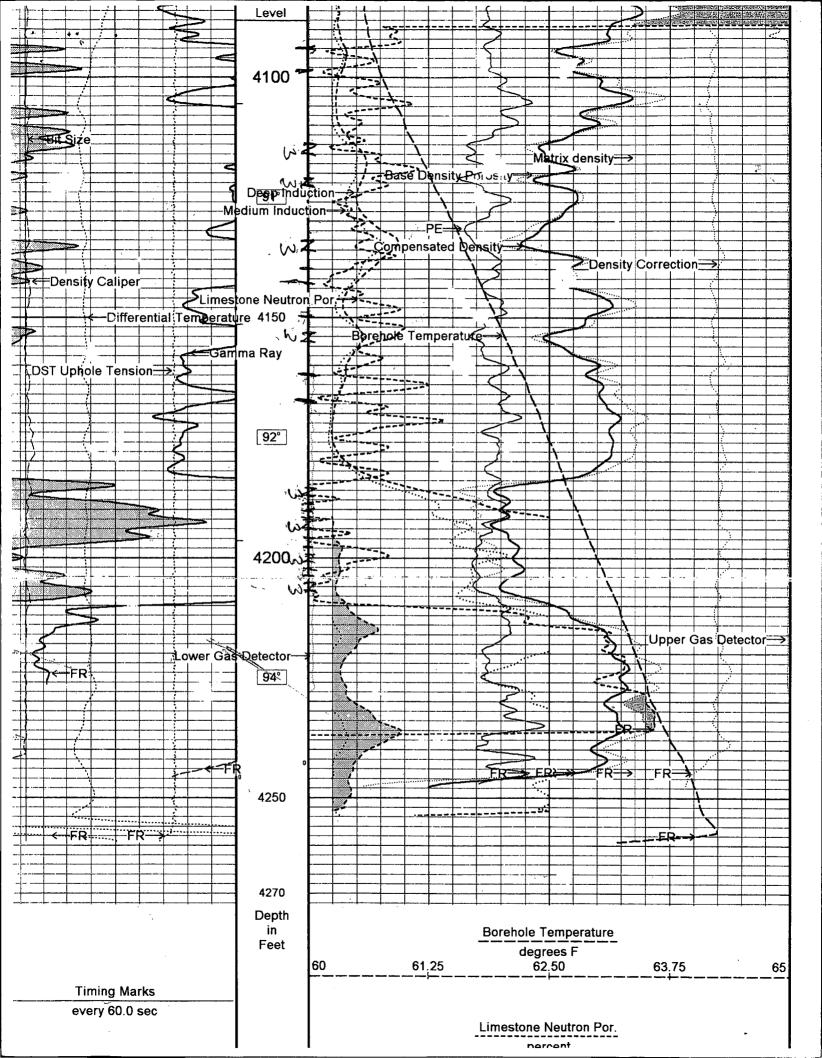
CHA

feet 0.00 Last Reading 1868.00 feet Casing Driller feet 1840.00 Casing Logger inches 6.25 Bit Size H20/AIR Hole Fluid Type Density / Viscosity PH / Fluid Loss Sample Source Rm @ Measured Temp Rmf @ Measured Temp

Rmc @ Measured Temp Source Rmf / Rmc Rm @ BHT 3 HRS Time Since Circulation

94.00 Max Recorded Temp COMPACT Equipment Name 13019 Equipment / Base

T. FINNEY Recorded By MR VERNATTER Witnessed By 3502754 FIELD TICKET





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164 Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Further, Affiant saith	not.
--	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Betty J. Paolin Notary Public

My commission expires ____

November 18, 2008

(SEAL)

OFFILIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Builty J. Paolini
1900 Pine Menor Roed
Chemission, WV 25301

W:\Tinki\Special Field Bules\affidevit_form:decon-

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
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045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

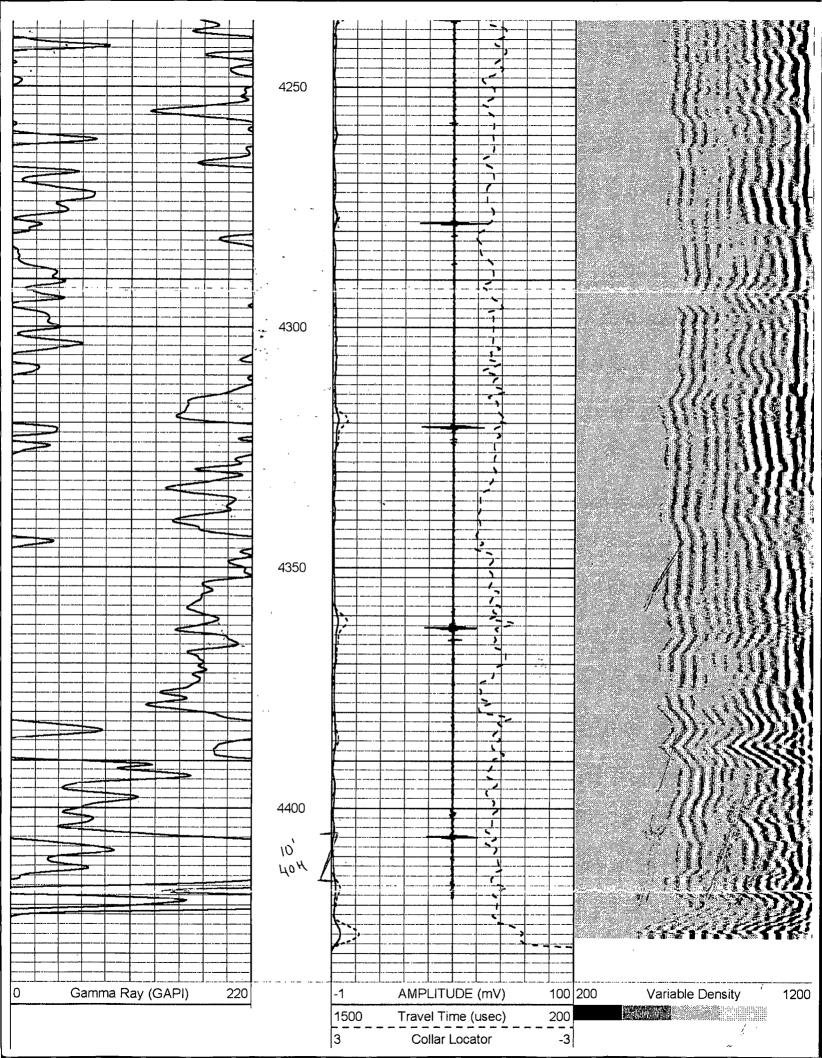
FORMATION TOPS FOR WELL #826264, LINCOLN CO., DUVAL DISTRICT, WV, API #47043033230000

FORMATION	TOPS
LTLL	1586.18
BGLM	1649.10
WEIR	1908.41
SNBR	2244.07
BERE	2269.57
GRDN	2558.49
HURNL	3701.46
JAVA	3822.55
ANGL	3979.76
RNSR	4077.49
MRCL	4389.78
ONDG	4423.77
TD	4472



GAMMA RAY CEMENT BOND VDL LOG

VERGY	Company CHESAPEAKE APPALACHIA ENERGY							
	Well	. 8	26264					
ALACH	Field	ield BOONE BLOCK						
APP/	County	L	INCOLN			State	W.V.	
LOC	Locatio	n:	. 1	API	#: 4	7-043-03323		Other Services
CHESAPEAKE APPALACHIA ENERGY 826264 BOONE BLOCK LINCOLN	4	, , }		•	·	1.		
		SEC	C TWP	1	RGE			Elevation
Company Well Field County	Permanen	t Datum	n G.L			Elevation	882	K.B. 888
Compar Well Field County	Log Measi	ured Fro	om G.L					D.F.
Comp Well Field Coùn State	Drilling Me	easured	From G.L					G.L. 882
Date			8-30-2007		1			
Run Number			ONE					
Depth Driller	· · · · · · · · · · · · · · · · · · ·		4457				-	
Depth Logger			4435					
Bottom Logged Inter	val		4432					
Top Log Interval			1940					
Open Hole Size			6.25					
Type Fluid			N/A					
Density / Viscosity			N/A					
Max. Recorded Tem			N/A					
Estimated Cement T	op				ļ 			
Time Well Ready			N/A		1			
Time Logger on Bott	om		N/A				-	
Equipment Number Location		-	UNIT#2	A/ \/	-		-	
Recorded By		- °	B CASTO	¥ V . V				
Witnessed By			RUSSELL		<u> </u>			
Borehole Record			NOOCLL		l	Tubing	Record	
			То	Si	ze	Weight	From	То
6.2		652	4457					
CiD			100	1 (C)		T		Detter
Casing Record	Siz 7	<u>ze </u>	Wg	vrt		Top SURF		Bottom 1572
Surface String Prot, String						SURF		1012
Production String	4 1/	2 "				SURF		T.D.
1 Toduction String							1.1.	





Witnessed By

PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE ENERGY

WELL 826264 HORSE CREEK LAND & MINING

FIELD BOONE BLOCK PROSP. / GRIFFITHSVILLE QUAD

PROVINCE/COUNTY DUVAL DISTRICT / LINCOLN COUNT

COUNTRY/STATE USA / WEST VIRGINIA

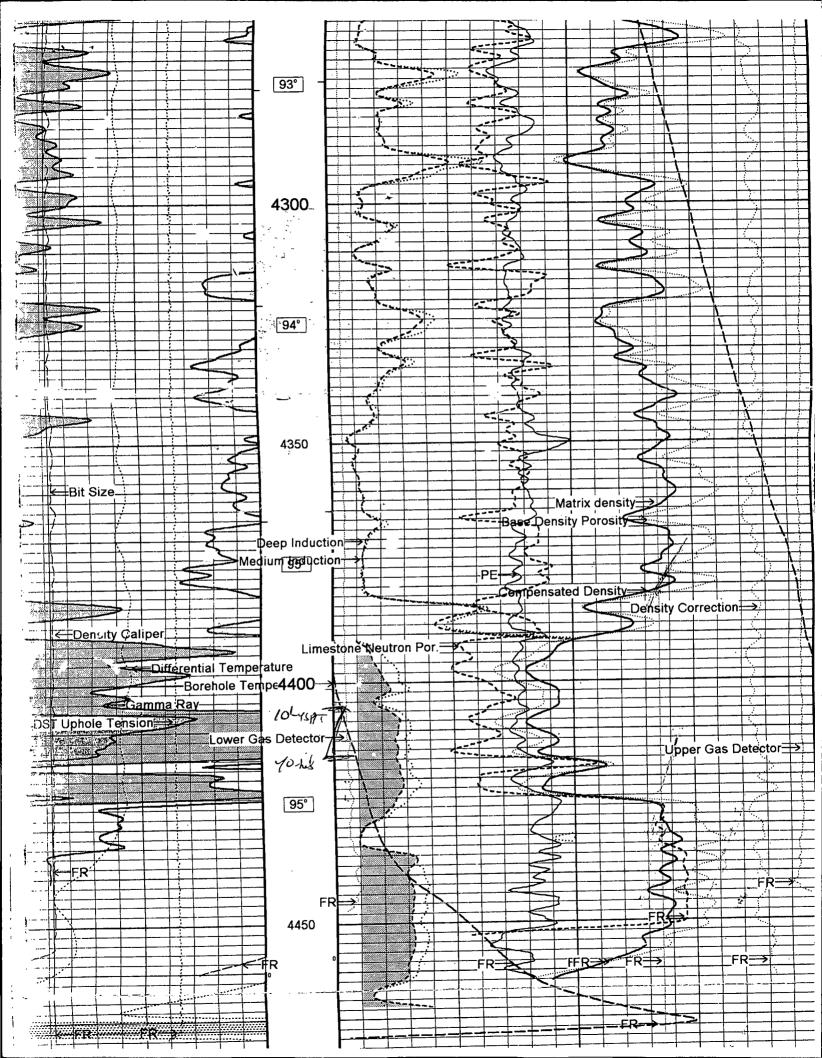
LOCATION 8,923' S of LATITUDE 38° 12' 30"

MR. BAKER

			1,566' V	V of LONGIT	UDE 81	° 55' 00"		
LSD	SEC	TWP	RGE	Other Services) ,, /			
	1.			GAS DETECT	OR	, TEM	PERATURE	
API Nu	mber	47-043-03	3323	GAMMA RAY		CALI	PER	
Permit	Number	03323		# # # # # # # # # # # # # # # # # # #	` ` `	1-		
Permai	nent Dat	um GRÓL	JND LEVE	L, Elevation 882	feet	1	Elevations:	
_		j.		above Perman	ent Datum		KB 888.00 DF) feet feet
Drilling	Measur	ed From k	KB				GL 882.00) feet
Date	J;		13-AUC	6-2007		_	5	
Run Ni	umber		ONE			k	OFER	
Depth	Driller		4457.00) feet		1	1-01-07	-
Denth	Logger		4472 0) feet				7

	.*		GL	882.00	feet
13-AUG-2007			<u> </u>		
ONE		<u> </u>	Z	-e0	
4457.00	feet	4	J-CP		
4472.00	feet		On		
4472.00	feet		11/0	nveg	
0.00	feet			/	
1572.00	feet				
1577.00 ,	feet				
6.25	inches				
AIR					
				1	
	\				
		\		-	
			,		
7 HRS					
95.00	deg F	-			
COMPACT					
13019	CHA				-
T. FINNEY					
	13-AUG-2007 ONE 4457.00 4472.00 0.00 1572.00 1577.00 6.25 AIR 7 HRS 95.00 COMPACT 13019	13-AUG-2007 ONE 4457.00 feet 4472.00 feet 0.00 feet 1572.00 feet 1577.00 , feet 6.25 inches AIR 7 HRS 95.00 deg F COMPACT 13019 CHA	13-AUG-2007 ONE 4457.00 feet 4472.00 feet 0.00 feet 1572.00 feet 1577.00 feet 6.25 inches AIR 7 HRS 95.00 deg F COMPACT 13019 CHA	13-AUG-2007 ONE 4457.00 feet 4472.00 feet 0.00 feet 1572.00 feet 1577.00 feet 6.25 inches AIR 7 HRS 95.00 deg F COMPACT 13019 CHA	13-AUG-2007 ONE 4457.00 feet 4472.00 feet 0.00 feet 1572.00 feet 1577.00 feet 6.25 inches AIR 7 HRS 95.00 deg F COMPACT 13019 CHA

MR. MCCONNELL





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
	,			

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pine Menor Roed Cherleston, WV 25301

My Concrission Expires Nov. 18, 2009

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

Well Number
826678
826646
826644
826626
826609
826608
826606
826605
826604
826603
826601
826591
826548
826547
826522
826521
826514
826495
826493
826492
826491
826490
826489
826488
826486
826431
826429
826267
826264
826147
804069
825789
825906
825912

Chesapeake Appalachia, L.L.C. Well # 826609 Guyan District, Logan County API: 47-045-02018-0000

Formation	Тор	Bot	tom
Salt Sand		324	950
Little Lime		1150	1260
Big Lime		1260	1414
Sunbery		1911	1940
Berea		1940	1958
Lower Huron	;	3222	3338
Java		3338	3467
Angola		3467	3564
Rhinestreet		3564	3824
Marcellus		3824	3852
Onondaga		3852	
TD	3908		



GAMMA RAY CEMENT BOND VDL LOG

CHESAPEAKE APPALACHIA ENERGY CHPK # 826609 CHAPMANVILLE LOGAN		Со	mpany	CHESAPEAKE APPALACHIA ENERGY							
₩ ₩ ₩		We	ell	СН	PK # 82	6609	İ				
ALAC!		Fie	eld	СН	APMAN	VILL	Ε				
: APP/ 9 LE	٠	Со	unty	LOGAN State W.V.							
EAKE 32660 NVILI		Loc	cation:			API	#: 4	7-045-02018	}	Oth	ner Services
CHESAPEAKE A CHPK # 826609 CHAPMANVILLE LOGAN	W.V.										
	5		5	SEC	TWP	· · · · · · · · · · · · · · · · · · ·	RG				Elevation
Company Well Field County	State	Log l	nanent Dat Measured ng Measur	From	G.L G.L om G.L			Elevation	752		3. 760 752
Date					8-15-2007						
Run Number					ONE						
Depth Driller				3900							
Depth Logger				3886							
Bottom Logged	Inter	val			3883			==			
Top Log Interva		V CAI			1700					-	
Open Hole Size					6.25				-		
Type Fluid	,				N/A						
	.ih.				N/A N/A						
Density / Viscos				N/A							
Max. Recorded											
Estimated Cem		ор		2151							
Time Well Rea					N/A						
Time Logger or		om			N/A						
Equipment Nur	nber				UNIT#2						
Location				SISS	SONVILLE	W.V					
Recorded By					B CASTO						12
Witnessed By											7.11
			Record		-				Record		
Run Number		it .	From		То	51	ze	Weight	From		То
	6.:	20							+		
											——————————————————————————————————————
									+	-	ottom 2
Casing Record			Size		Wg	+/=+		Тор	1	, B	ottom
Surface String			7"		VVY	U1 L		SURF			215
Prot. String								3011			-10
Production Strir	10		4 1/2 "		-			SURF			
Liner	19	_	7 1/2					00.11			<u>r.d.</u>
Linioi											
					-						<u></u>

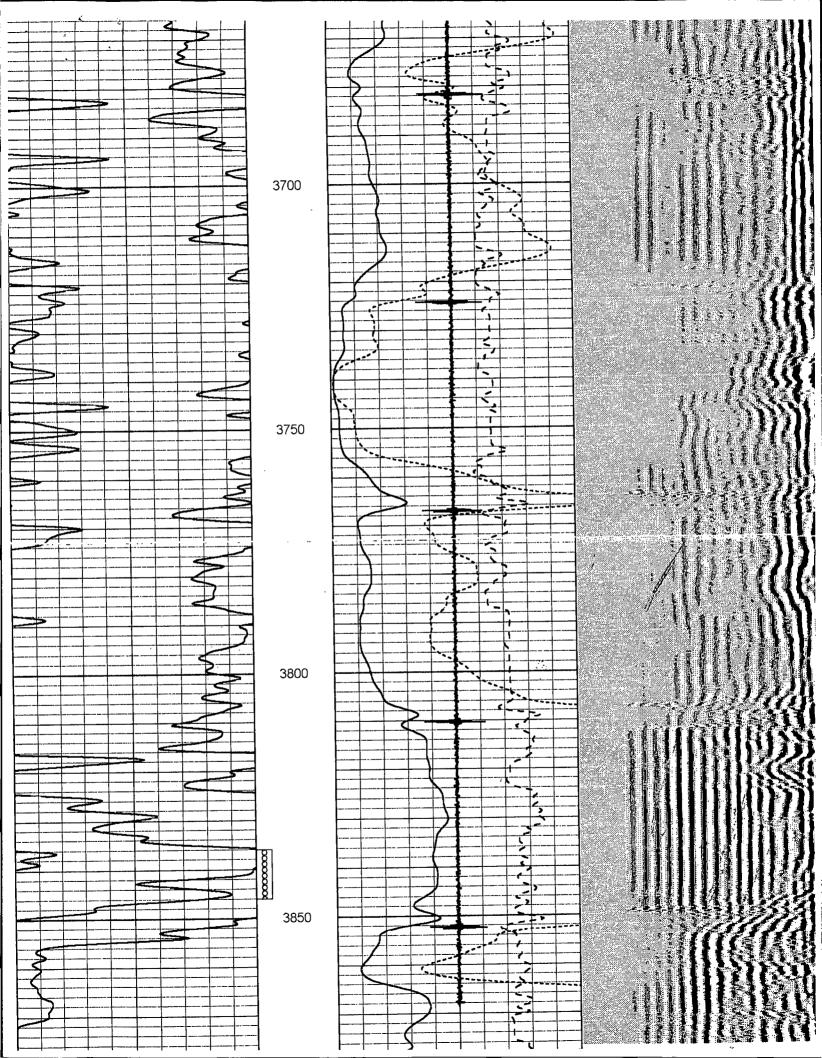




PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE APPALACHIA, LLC.

WELL **CHPK # 826609**

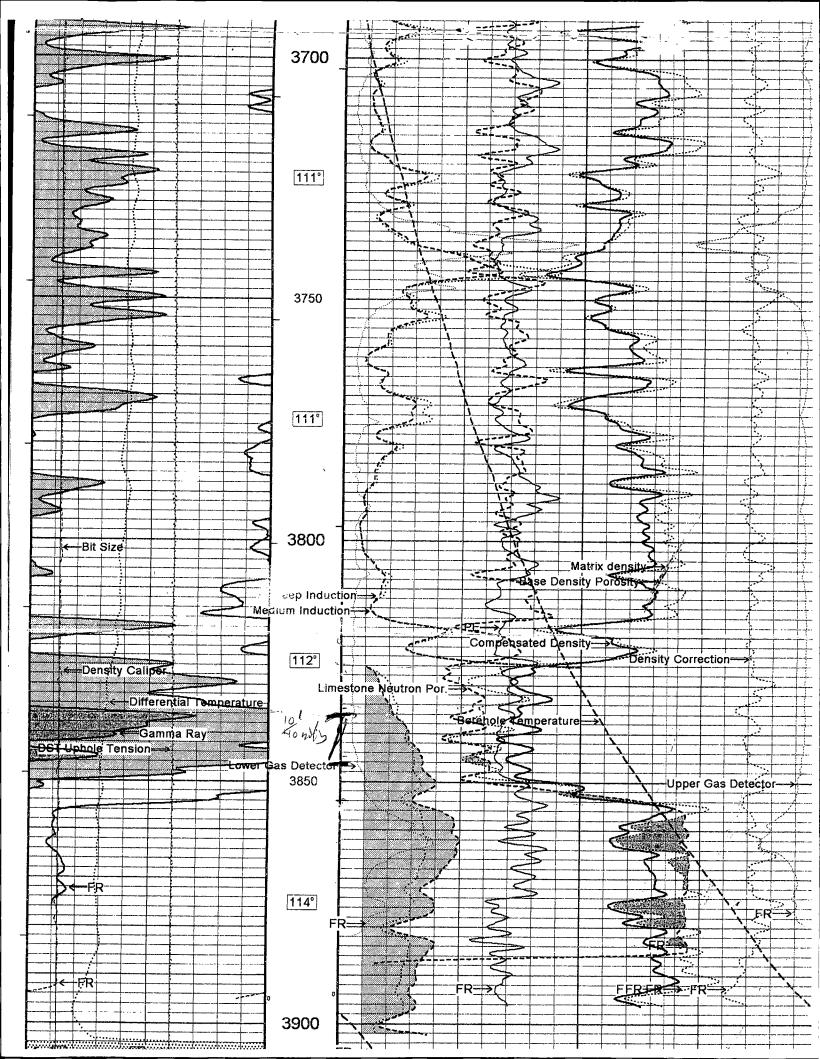
FIELD CHAPMANVILLE PROSPECT

PROVINCE/COUNTY LOGAN

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION LATITUDE 793' SOUTH OF 38°00'00:

		LONG THE STATE OF						
		F 82°02	2'30"					
RGE (Other Services							
10								
18	. , , , , , , , , , , , , , , , , , , ,							
				4				
				itions:	feet			
	ove Permanent Datum		DF	760.00	feet			
			GL	752.00	feet			
<u> </u>	007							
	*-							
3906.00	feet							
0.00	feet							
1215,00	feet							
1224:00	feet							
6.25	inches							
NONE								
T.								
		***************************************		,;				
1.								
<u> </u>								
4 HRS								
114.00	deg F							
COMPAC								
13034	DUNBAR		,					
KURT NUNLEY								
I								
3504297					·			
	ONGITURE 18 18 18 18 18 19 18 19 19	ONGITUDE 6,702' WEST O RGE Other Services ID LEVEL, Elevation 752 feet FT. above Permanent Datum F. 13-AUG-2007 ONE 3900.00 feet 3908.00 feet 0.00 feet 1215.00 feet 1222.90 feet 6.25 inches NONE 4 HRS 114.00 deg F COMPACT 13034 DUNBAR KURT NUNLEY MR.MILFORD SHOFFNER	ONGITUDE 6,702' WEST OF 82°02 RGE Other Services 18 ID LEVEL, Elevation 752 feet FT. above Permanent Datum F. 13-AUG-2007 ONE 3900.00 feet 3908.00 feet 0.00 feet 1215.00 feet 122.00 feet 6.25 inches NONE 4 HRS 114.00 deg F COMPACT 13034 DUNBAR KURT NUNLEY MR. MILFORD SHOFFNER	RGE	RGE			





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/Loflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5. Further, Affiant saith not.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February , 2008.

My commission expires No

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pine Menor Roed Charlecton, WV 25301 My Concression Expires Nov. 18, 2009

W:\Tinki\Special Field Bules\affidavit_form:decondens

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

FORMATION TOPS FOR WELL #826608, LOGAN CO., WV, API #47045020170000

FORMATION	TOPS
BGLM SNBR GRDN HURNL RNSR MRCL ONDG	1514.59 2178.82 2397.68 3470.72 3810.69 4065.67 4091.17
TD	4155

RECEIVED
Office of Oil & Gas

NOV 0 6 2007

WV Department of Environmental Protectic



GAMMA RAY CEMENT BOND VDL LOG

CHESAPEAKE APPALACHIA ENERGY 826608 CHAMPMANVILLE QUAD LOGAN		We Fie		CHESAPEAKE APPALACHIA ENERGY 826608 CHAMPMANVILLE QUAD LOGAN State W.V.									
E A					OAN -					VV.	v .		
AK		Loc	cation:		•	AP	#: 4	47-(045-02017			01	ther Services
	W.V.		S	SEC	TWP		RG	F					
Company Well Field County		Perm	nanent Dat	าเท	G.L			_	Elevation	104	เจ		Elevation
npa = d d	<u>o</u>		Measured						Lievation	10-		K.	B. F.
Compa Well Field County	State		ng Measu										L. 1043
Date					8-22-2007					Į			
Run Number					ONE						*****		
Depth Driller					4145 4133								
Depth Logger													
Bottom Logged	Inter	val			4130								
Top Log Interva					2000							•	
Open Hole Size	-			6.38									
Type Fluid				N/A N/A							·		
Density / Visco													
Max. Recorded Estimated Cem													
Time Well Rea		υþ			ļ			_					
Time Logger or		om			N/A N/A								
Equipment Nur		.0111			UNIT#2					<u> </u>			
Location	,,,,,,			SISS	SONVILLE	ΝV							
Recorded By					B CASTO							•	
Witnessed By				M	IR RUSSEL	L							134
	Bo	rehole	Record						Tubing	Reco	rd		
Run Number		it	From		То	Si	ze	\perp	Weight		rom		То
	6.3	375	1478		4145			-					
								+				_	
<u>. </u>								+					
Casing Record	Casing Record Size				Wg	/Ft			Тор		;		ottom
Surface String 7"					9		İ		SURF				1478
Prot. String												_	
Production Strir	ng		4 1/2 "						SURF				T.D.
Liner													
					İ								

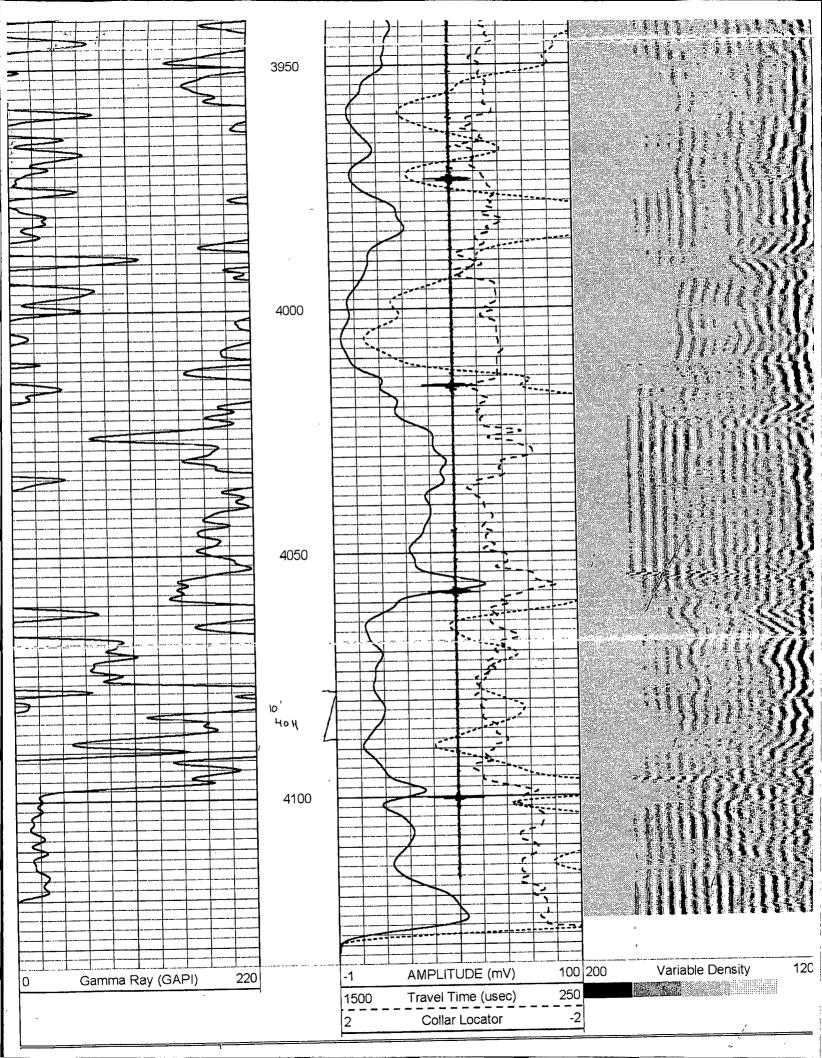




PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE APPALACHIA,LLC.

WELL **826608**

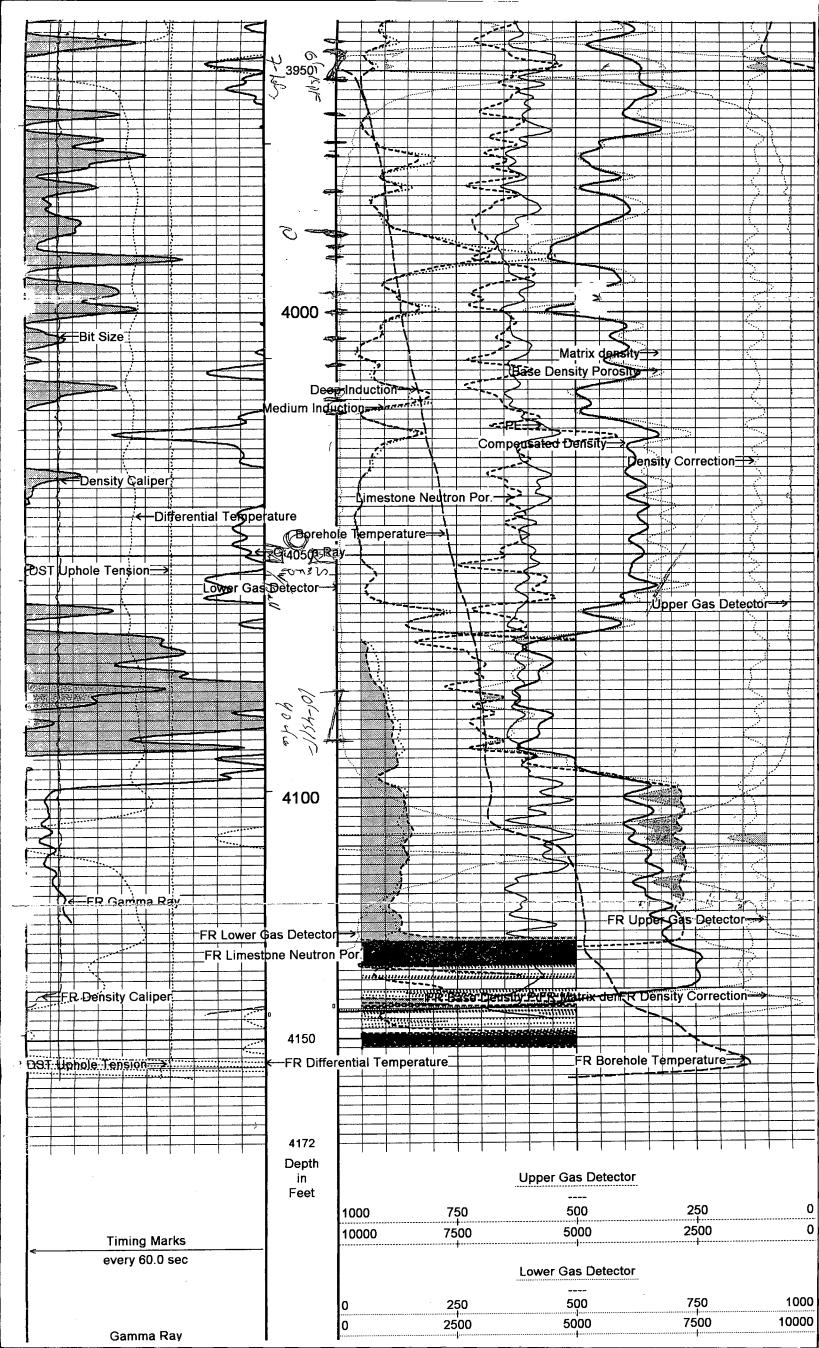
FIELD CHAPMANVILLE PROSPECT/CHAPMANVILLQUAD

PROVINCE/COUNTY GUYAN DISTRICT/ LOGAN

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION LATITUDE 3,532' SOUTH OF 38°00'00"

_		L	ONGIT	UDE 3,	560' W	EST O	F 82°C)2'30"		
LSD	SEC	TWP	RGE	Other Ser	vices				` '/	,
									1/	
API Numi		7-045-020°	17		. •					
Permit Nu										
				, Elevatio		feet		1	itions:	6
				above	Permaner	nt Datum	1	KB DF		feet feet
Drilling N	leasured	From TA	BLE					GL	1043.00	feet
Date			21-AUG	-2007			1			
Run Nur	ber		1			7/)	1,2	an		
Depth Dr			4145.00		feet		1	·············		
Depth Lo			4155.00		feet.	<i>P</i> 10	1,4	mon		· , · · · · · · · · · · · · · · · · · ·
First Rea	•		4154.00		feet		1			
Last Rea			0.00		feet	18	2,0	·mV	ان	-55
Casing E	riller		1478.00		feet					, -
Casing L	ogger		1490.00		feet					
Bit Size			6.38		inches		14.6	Iron		,
Hole Flui			NONE				1			
Density /		у					\		D	
PH / Flui								1 2 . 1		(A)
Sample S							7.0	L An	···· \	$\langle \lambda \rangle$
Rm@M			4				()		7 (W
		Temp 🖰				./\		\ \ \	V VIO	
Rmc@l								X, \	11-1:).	
Source F		C					X	,		
Rm@B						U	7			
Time Sin	ce Circul	ation					7			
Max Rec	orded Te	mp	103.00		deg F			·		
Equ₁, ∽e			COMPA	C1	:			;		
Equipme		;	13019		· UNBAR					
Recorded	d By		BCORN	 S		- '	:			
Witnesse	ed By		MR. SH	OFFNL .			·			
Field Ticl	ĸet		3502813							
										Ą





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett/oflip

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
-	,			

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this 11 day of February, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Psolini 1909 Pine Menor Roed Charleston, WV 25301 My Concrission Expires Nov. 18, 2008

W.\Tinki\Snegal Field Pulpe\afficiavit form dependence

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020 048- 01438≥019-1438 039-06020	826646
_949 :01:438≥ 0 ¹⁹ ′ ′	826644
	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
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043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912



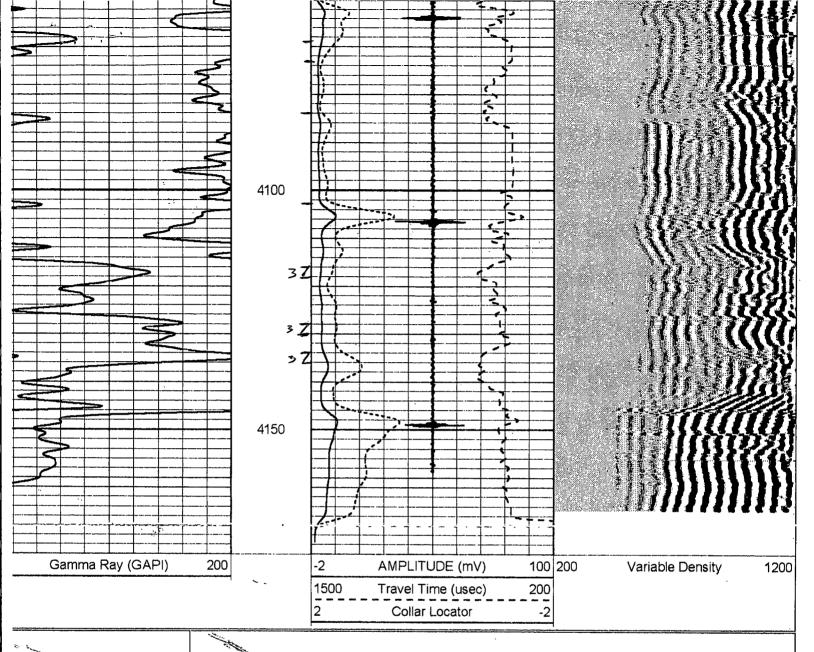
Well #826644, Putnam Co., WV, API#47049014380000

ION	TOPS	BOTTOMS
	960.93	
	1325.18	
	1376.49	1456
	1461.33	
	1499.74	1672.79
	1696.43	1740.74
	1852.17	1909.58
	2162.82	
	2182.66	2206.72
	3317.82	
	3648.73	
	3774.08	
	3865.41	
	4114.37	
	4145.97	
TD	4205.00	
	TD	960.93 1325.18 1376.49 1461.33 1499.74 1696.43 1852.17 2162.82 2182.66 3317.82 3648.73 3774.08 3865.41 4114.37 4145.97



GAMMA RAY CEMENT BOND VDL LOG

	_							
CHESAPEAKE APPALACHIA ENERGY CHK# 826644 SWEETLAND PUTNAM W.V					APP	ALACHIA	ENERG	SY
V + V	Well	CHK	# 8266	344			:	
PALAC	Field	SWE	ETLA	ND				
ЕАРР	County	PUT	NAM			State	W.V	
:AK: 3644 AND	Location:			API	#: 4	7-049-01438		Other Service
CHESAPEAKE CHK# 826644 SWEETLAND PUTNAM			,		,	79		
I I		SEC	TWP		RGI	Ξ		Elevation
Company Well Field County State	Permanent Da Log Measured Drilling Measu		G.L K.B G.L.			Elevation	850	K.B. 857 D.F. 857 G.L. 850
Date	1=- 5		-05-2007				-	O.L. 000
Run Number			ONE					
Depth Driller 🌞			4205					
Depth Logger			4175				-	
Bottom Logged Inte	rval		4172					
Top Log Interval			1700					
Open Hole Size			6.375					
Type Fluid Density / Viscosity		WA	TER/ACI	D		·		
Max. Recorded Tem			N/A	$ \downarrow$				
Estimated Cement			N/A 2470					
Time Well Ready	lob .		N/A				_	
Time Logger on Bot		 	N/A	-				
Equipment Number		U	NIT#2	- +				
Location			IONVILLI	E				
Recorded By			MYERS					
Witnessed By								
Bo Bo	rehole Record					Tubing [· ·
Run Number E	Bit From		То	Siz	e	Weight	From	То
								
								
Casing Record	Size		Wgt/	/Ft		Тор		Bottom
Surface String Prot. String	7.0					SURF		1769
Production String	4 1/2"					SIIDE	-	TD
Liner	7 112					SURF		T.D.





MAIN LOG

MARCELLUS, Phiresteet Masked

Schlumberger

Company: CHESAPEAKE APPALACHIA, L.L.C.

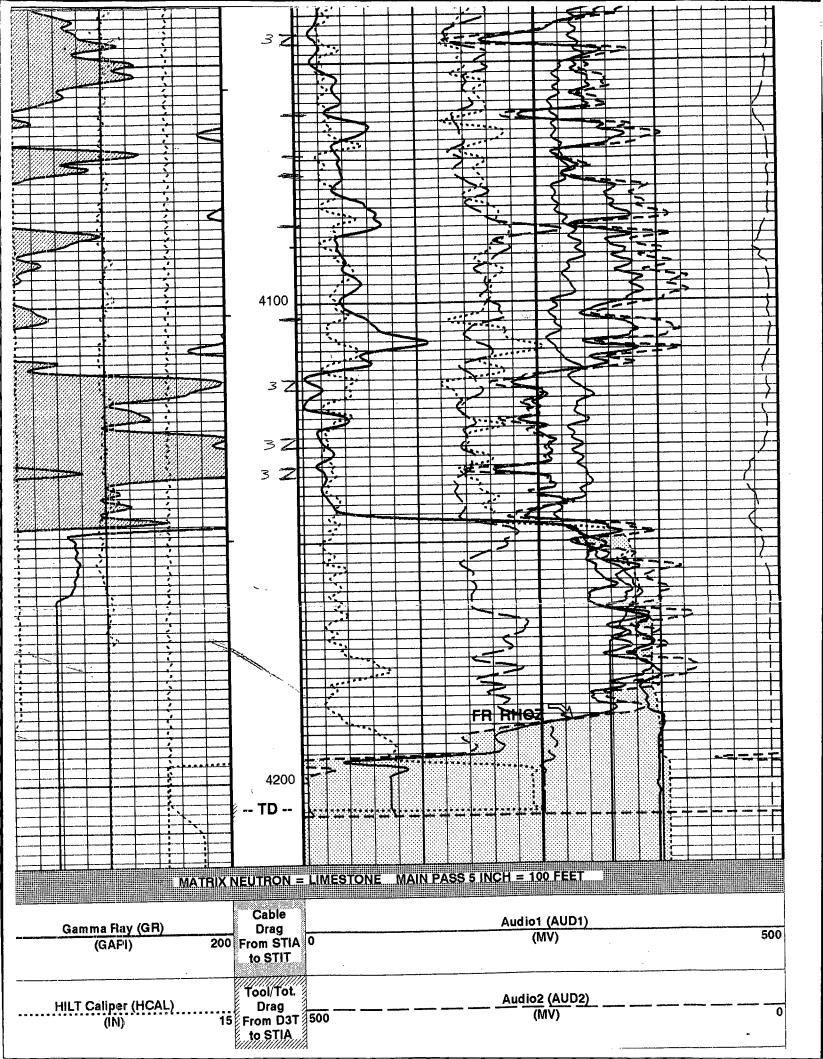
Well: **826644**

Field: **SWEETLAND**

County: PUTNAM

State: WEST VIRGINIA

-	_			Ĺ.	▜				·			J. VVE	<u> </u>	ind	HAIN	
				₹		CC	MPEN	ISATE	D NE	UT	RON (
				CHESAPEAKE APPALACHIA,		LITHO DENSITY										
		z		PPAL		DIPOLE SONIC IMAGER										
	~	LAT. 38* 16' 55"		Μ		LAT	. 38* 16' 5	55" N				Elev.:	K.B.	857 ft		
1	Ŋ	Ö		ΆĶ	_	LON	NG. 82* 00) 30°			x, ·		G.L.			
	2	* m	4		Ō	İ								850 ft		
PUTNAM	SWEETLAND		826644	S:	CATION	Dom						ــــــ	D.F.	857 ft		
15	%	¥	326	芳	S		manent Da				D LEVEL	_ Elev.:	_850 f	<u>t</u>		
			u,				Measured				USHING	_ 7.0 ft	abov	e Perm.	Datum	
l z	ı	Location:		Company:	\bigsqcup	Drill.	ing Measu	red From	i: <u>GR</u> C	<u>JUNI</u>) LEVEL	_				
County:	Field:	cati	Well:	Ē		-	API Se	erial No.		7	DISTRICT	· · · · · · · · · · · · · · · · · · ·		Τ		
ပြ	Ë,	2	Š	ပိ				9-01438		'	CURRY	WATERS			DRANGLE	
	oggir	ıg [ate		Ь			26-Oct-	2007	┸——	CONNI	BIG CR	EEK	HAN	VILIN 7.5'	
	Run N							1	2001			 				
	Depth	Dril	ler.	<u> </u>				4205 ft				 				
	Schlun					 I		4205 ft								
E	3ottom	1 Lc	g Ir	nten	/al			4197 ft								
	op Lo							1774 ft								
	Casing	Ďî	iller	Śiz	zе (Dep	oth	7.000 ir	1	@	1769 ft					
	Casing		hite	n be	erge	er		1774 ft						@		
	Bit Size			-cist				6.375 ir	1							
	ype F		l In I	Hole		N. Nana		AIR								
l⊋ŀ	Densit			\perp	Vi	iscoŝi	ty									
	Fluid L			丄	P	Η				†						
] <u></u>	Source									L						
<u></u>	M @	Mea	asur	ed	Ten	perat	ture			@	100 degF			@		
<u>_</u>	RMF @ Measured Temperature				ature			@	100 degF			@				
	RMC @ Measured Temperature				ature			@	100 degF			@				
Source RMF RMC												<u>u</u>				
RM @ MRT RMF @ MRT					@		@	@	ō		@					
Maximum Recorded Temperatures			96 degl	F				<u></u> +		T						
Circulation Stopped Time																
Logger On Bottom Time				26-Oct-2			9:00									
Unit Number Location				ution	3182	BECKL						·				
	ecord								TER/M.		SISUC					
VI	/itness	sea	ву					CHAD S	CHOFFN	<u>IER</u>						





Brett Loflin Regulatory Compliance Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

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Sincerely,

Brett Loflin

AFFIDAVIT

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- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

5.	Further,	Affiant	saith	not.
•	,			

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires ____

November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1900 Pins Monor Road Charleston, WV 25301 My Condission Expires Nov. 18, 2008

W:\Tinki\Special Field Rules\affidavit James deserves

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045 00000	000070
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	826626
045-02018 045-02017	826609
045-02030	826608
045-02008	826606
045-02007	826605 826604
045-02016	826603
045-02006	826601
043-03324	826591
045-03028	826548
045-02027	826547
043-03322	826522
' 043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

Well #826522, Llincoln Co., WV, API#47043033220000

FORMATION	TOPS (MD)
LTLL	1796.49
BGLM	1833.75
WEIR	2067.58
SNBR	2396.50
BERE	2420.91
GRDN	2698.43
HURNL	3875.32
JAVA	4007.65
ANGL	4155.41
RNSR	4263.33
MRCL	4588.39
ONDG	4621.80
TD	4684.00

RECEIVED Office of Oil & Gas

NOV 0 8 2007

WV Department of Environmental Protectic

GAMMA RAY **CEMENT BOND/ VDL LOG COMPANY** CHESAPEAKE APPALACHIAN ENERGY WELL #826522 FIELD BOONE BLOCK PROSPECT STATE W.V. COUNTY LINCOLN -LOCATION QUAD: GRIFFITHSVILLE OTHER SERVICES W.S.: BIG HORSE CREEK OF PERMIT NO. LITTLE COAL RIVER 47-043-03322 TWP SEC RGE PERMANENT DATUM _G. L. ___ ELEV __1111_ ELEV LOG MEASURED FROM K.B. FT. K.B. 1117 D.F. ____ ABOVE PERMANENT DATUM G.L. 1111 DRILLING MEASURED FROM K.B. DATE SEPT21,2007 RUN NO. ONE TYPE LOG GR/CBL/VDL DEPTH-DRILLER 4665 DEPTH-LOGGER 4671 BOTTOM LOGGED INTERVAL 4667 TOP LOGGED INTERVAL 2750 TYPE FLUID IN HOLE WATER/ SALINITY PPM CL N/A DENSITY N/A LEVEL FULL MAX REC TEMP DEG F N/A OPERATING RIG TIME 1 HOUR RECORDED BY D. CARPENTER WITNESSED BY MR. SHINDLER RUN BORE-HOLE RECORD CASING RECORD NO. BIT FROM TO SIZE FROM WGT T 0 ONE 6.250 1790 4665 SURF 1790 4 " SURF T.D.

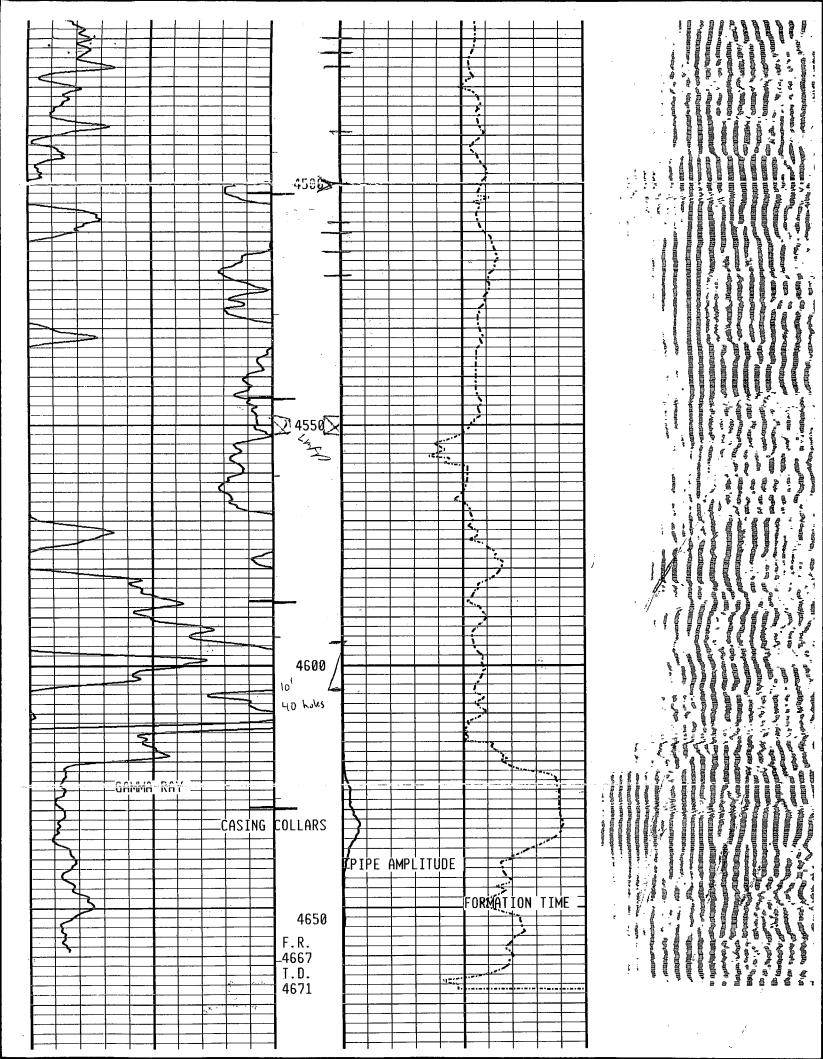




PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

CHESAPEAKE APPALACHIA, LLC. COMPANY

826522 WELL

BOONE BLOCK PROSPECT/GRIFFITHSVILLE QUAD FIELD

DUVAL DISTRICT / LINCOLN COUNTY PROVINCE/COUNTY

COUNTI	RY/STAT	Ė (JSA / V	VEST VIRGINIA	4				
LOCATI	ON	. 3	3,797 F	EET SOUTH O	F LATI	TUDE	38°1	0'00"	
			2586 FE	EET WEST OF	LONGI	TUDE	81°5	2'30"	
LSD	SEC	TWP	RGE	Other Services GAMMA RAY	,	CAL	IPER		
API Num		7-043-033	322	TEMPERATURE		, GAS	DETE	ECTOR	
Permit N	umber 0	3322		DATA PACK					
Permane	ent Datur	n GROUI	ND LEVE	L, Elevation 1111	feet			ations:	
Log Mea	asured Fi	rom KB, 6	FEET	above Permanent I	Datum		KB DF	1117.00	feet feet
Drilling I	Measure	d From Ki	В		-		GL	1111.00	feet
Date			19-SEP	2-2007					
Run Nur	nber	•	ONE						
Depth D	riller		4665.00	0 feet					
Depth L	ogger	,·	4684.00	0 feet					
First Re	ading		4683.00	0 feet					
Last Re	ading		0.00	feet		1 117,			
Casing I	Driller	,	1790.00	0 feet			- 17		
Casing	Logger	·	1800.00	0 feet				-	
Bit Size			6.25	inches					
Hole Flu	iid Type		AIR						
Density	/ Viscosi	ty							
PH /-Flu	id Loss								
Sample	Source			• • • • • • • • • • • • • • • • • • • •					
Rm @ N	/leasured	Temn							

DUNBAR

Rm @ Measured Temp Rmf @ Measured Temp

Renc @ Measured Temp

Source-Rmf / Rmc

Rm @ BHT.

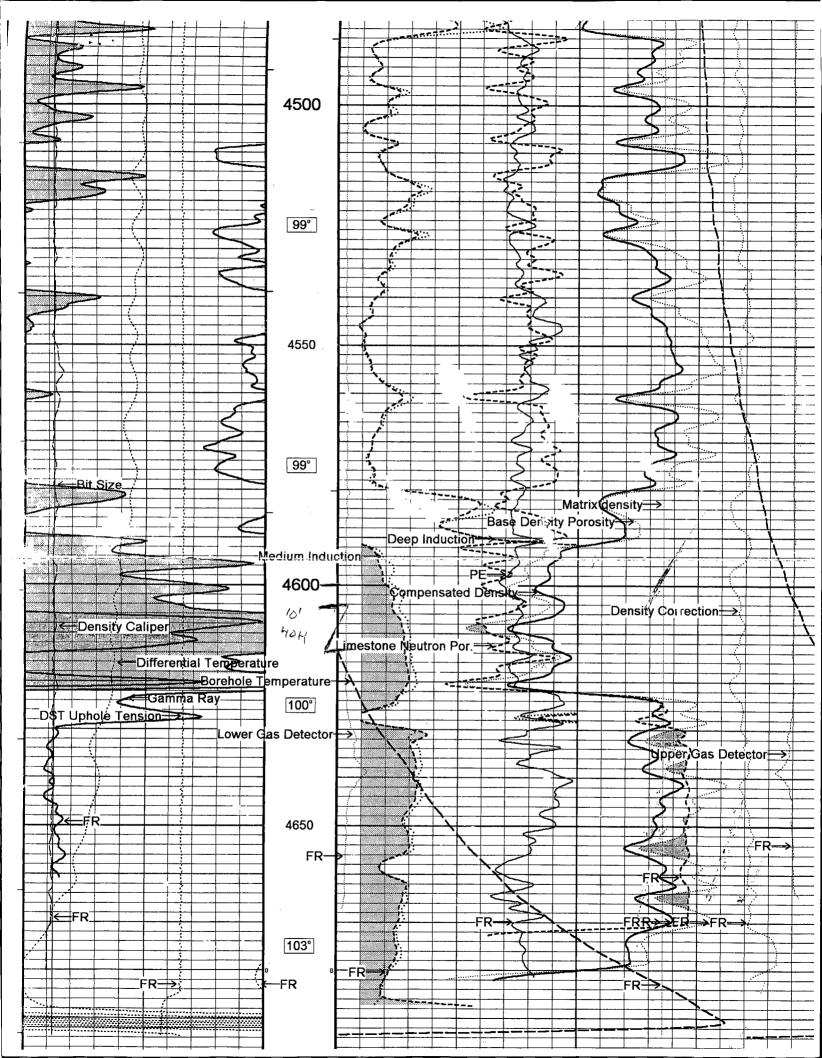
Time Since Circulation 5 HOURS Max Recorded Temp 103.00 deg F COMPACT Equipment Name

Equipment / Base 13019 DEWEY TAYLOR Recorded By

Witnessed By MR.BAKER

EIEI D TICKÉT

3504417





Brett Loflin Regulatory Compliance Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

	5.	Further,	Affiant	saith	not.
--	----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Menor Roed Charleston, WV 25301

W:\Tinki\Special Eigld Bulge\affidavit form: doc-

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
045-02038	826678
045-02020	826646
049-01438	826644
039-06020	826626
045-02018	826609
045-02017	826608
045-02030	826606
045-02008	826605
045-02007	826604
045-02016	826603
045-02006	826601
043-03324	826591
045-02028	826548
045-02027	826547
043-03322	826522
043-03321	826521
045-01998	826514
043-03327	826495
045-02002	826493
045-01973	826492
045-01981	826491
045-01972	826490
045-01980	826489
045-01979	826488
045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828 045-01991	825789
045-01991	825906
043-01992	825912

Well #826591, Lincoln Co., WV, API#47043033240000

FORMATION TOPS (MD)

LTLL	1481.20
BGLM	1568.32
WEIR	1838.16
SNBR	2152.62
BERE	2171.74
GRDN	2426.70
HURNL	3627.17
JAVA	3765.28
ANGL	3909.76
MRCL	4341.08
ONDG	4372.95
TD	4434.00

RECEIVED
Office of Oil & Gas

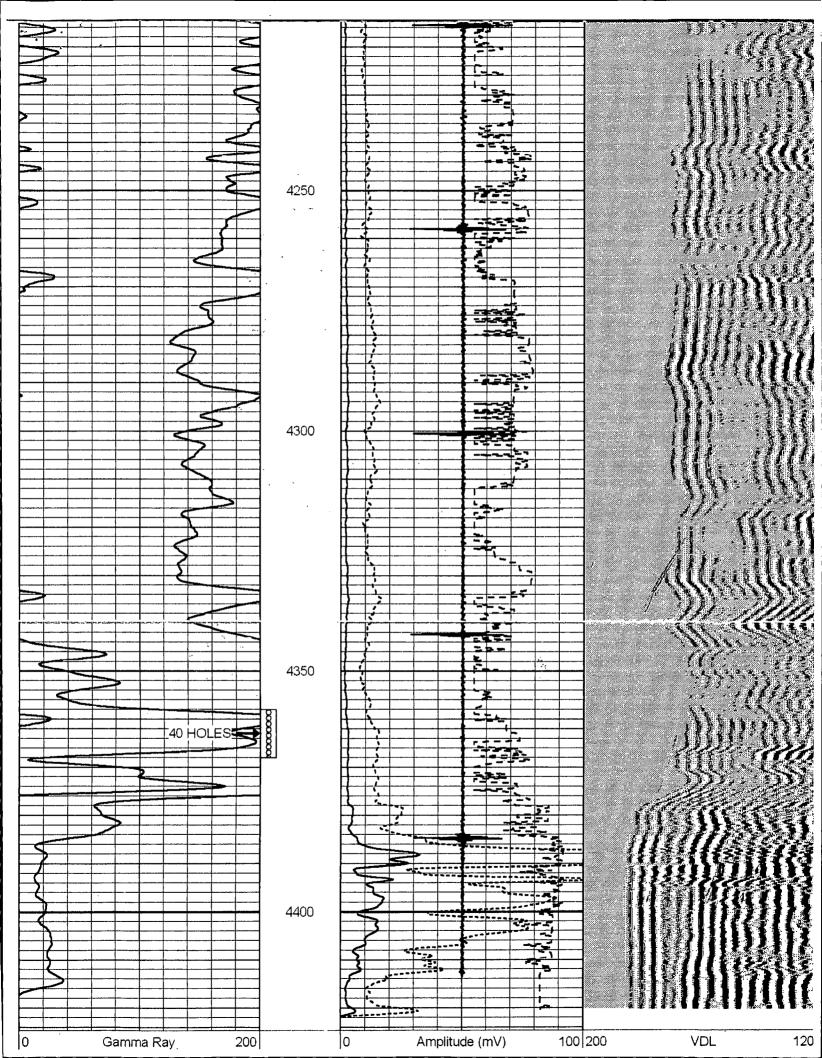
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WV Department of Environmental Protectic



GAMMA RAY/BOND VDL

S A D B		Company CHESAPEAKE APPALACHIA LLC										
A LLC		We	II 826591						()			
ACHI		Fie	ld	BOONE BLOCK/GRIFFITHSVILLE QUAD								
PAL		1 10	iu	D(O O1 (, OI (II					1
: APF		Co	unty	LII	NCOLN			State	W	V		
AKE OC		Loc	ation:			API	#: 47	-043-03324			Otl	her
CHESAPEAKE APPALACHIA LLC 826591 BOONE BLOCK/GRIFFITHSVILLE QUA LINCOLN	· //		15.0									Ρŧ
	≥			SEC	TWP		RGE					Elev!
Company Well Field County		Perm	anent Da	tum	GL	.,		Elevation	81	6		3. 82
Compa Well Field County	State	Log I	Measured	Fron	n KB6	FEET	-				D.I	F.
Comp Well Field	St	Drilli	ng Measu	red F	rom KB						G.I	L. 8
Date					09-05-2007							
Run Number					1							
Depth Driller					4415							
Depth Logger				4425								
Bottom Logged		vai			4422				-			
Open Hole Size	31				•				+			
Type Fluid	-										-	
Density / Visco	sitv		v 100-									
Max. Recorded		ID.										,
Estimated Cerr					2580							
Time Well Rea												
Time Logger of		tom										
Equipment Nur	mber				UNIT 1							
Location				SIS	SONVILLE.	WV						
Recorded By		<u> </u>	•		R MYERS					·:		 i
Witnessed By Borehole Record					JIM RUSSEL	<u>.L ;</u>		Tubina	· Daa			
Run Number		renoie Bit	Record From		То	Si	ze	Tubing Weight		ora From		
Kun Number		יונ			10	<u> </u>	20	vveigne		1 10111		
					_							
						·			<u>: </u>		[
Casing Record			Size		Wg	t/Ft		Top		-	<u> </u>	otto.
Surface String			4.5	*				SURF		+		TD
Prot. String Production Stri	na				-					+		
Liner	119							·				
LHICI		<u> </u>										
							!					





10"40

PHOTO DENSITY COMPENSATED NEUTRON ARRAY INDUCTION

COMPANY CHESAPEAKE APPALACHIA, LLC.

WELL 826591

FIELD BOONE BLOCK / GRIFFITHSVILLE QUADRANGLE

PROVINCE/COUNTY DUVAL DISTRICT / LINCOLN COUNTY

COUNTRY/STATE USA / WEST VIRGINIA

LOCATION 6019 FEET SOUTH OF LATITUDE 38°12'30" 8606 FEET WEST OF LONGITUDE 81°52'30"

LSD SEC TWP RGE Other Services
GAMMA RAY CALIPER

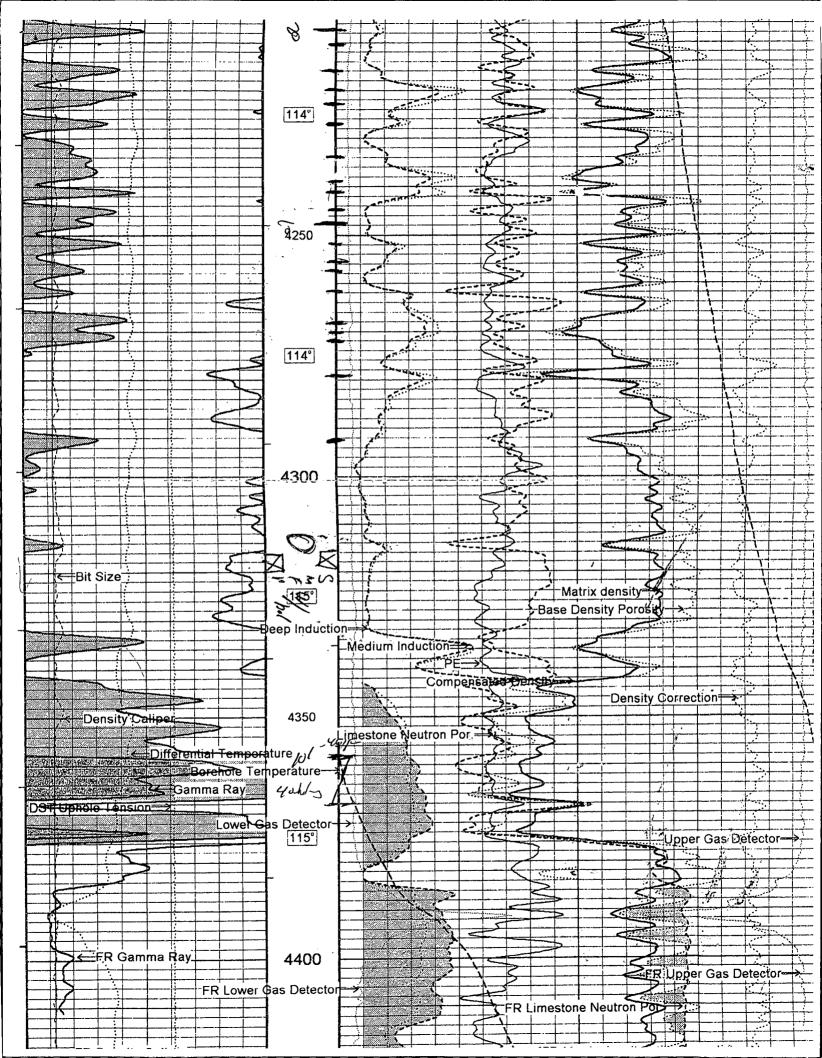
ı			1	i e	GAIVIIVIA KAT	•	CAL	F = IX		
A	Pl Numb	oer 4	17-043-033	24	TEMPERATURE		GAS	DETE	CTOR	
P	ermit Nu	ımber (03324		DATA PACK					
P	ermane	nt Datu	m GROUN	ID LEVEL	., Elevation 816	feet		Eleva		
L	og Mea	sured F	rom KB, 6	FEET	above Permanent	: Datum		KI3	822.00	fe fe

Log Measured From KB, 6	FEET above F	Permanent Da	itum		DIF	822.00
Drilling Measured From KB	}				Gi.	816.00
Date ;	29-AUG-2007			OFF.	SET 10	2680
Run Number	ONE			1		
Depth Driller	4415.00	feet		I		
Depth Logger	4434.00	feet	Bo	eac,	1 00	<i>-</i>
First Reading	4433.00	feet				
Last Reading	0.00	feet ()) /=	Fry.		
Casing Driller	1526.00	feet		,	_	
Casing Logger	1536.00	feet (2)	L,		V-,	Jett-
Bit Size ,	6.25	inches				
Hole Fluid Type	AIR					
Density / Viscosity	1			T		
PH / Fluid Loss				i -		
Sample Source						
Rm @ Measured Temp						
Rmf @ Measured Temp						
Rmc @ Measured Temp						.5.
Scurce Rmf / Rmc	T	·				7
Rm @ BHT				i		
Time Since Circulation	8 HOURS		4.15.			
Max Recorded Temp	117.00	deg F		1		
Equipment Name	COMPACT					
Equipment / Base	13034	DUNBAR		!		T
Recorded By	R HUBBARD					

MR. JOE BAKER

3504319

Witnessed By FIELD TICKET





Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179

Cause No. 164

Order No. 1

Dear Ms. Raines:

As you are aware, Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allowed it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled the wells listed on attachment A in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus shale in the wells listed on Attachment A. Also, enclosed you will find copies of an electric log for each well indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett / Ofline

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Paolini 1909 Pine Menor Roed Charlecton, WV 25301 My Concression Expires Nov. 18, 2008

W:\Tinki\Special Field Bulga\afficiavit form doce and research

Attachment A

List of wells that were drilled in compliance with Docket 179, Cause 164, Order #1.

API Number	Well Number
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045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912
3.3 3.002	0200 IZ

FORMATION TOPS FOR WELL #826603, LOGAN CO., WV, API #47045020160000

FORMATION	TOPS
BGLM	1244.12
WEIR	1548.69
SNBR	1905.67
BERE	1931.17
GRDN	2129.28
HURNL	3207.76
JAVA	3308.11
ANGL	3420.73
RNSR	3539.73
MRCL	3790.46
ONDG	3818.09
TD	3878

RECEIVED
Office of Oil & Gas

NOV 0 6 2007

WV Department of Environmental Processing



GAMMA RAY CEMENT BOND VDL LOG

NERGY		Со	mpany	СН	CHESAPEAKE APPALACHIA ENERGY								
⊣A E		We	ell	СН	CHPK # 826603								
Field CHAMPMANVILLE QUAD													
S ILLE C		Со	unty	LO	GAN			State	W.\	V.			
EAKE 32660 1ANV		Loc	cation:			API	#: 47	7-045-02016		Other Services			
CHESAPEAKE APPALACHIA ENERGY CHPK # 826603 CHAMPMANVILLE QUAD LOGAN	W.V.		SEC TWP RGE										
					TWP		RGE			Elevation			
Company Well Field County	State	Log I	nanent Da Measured ng Measu	From	G.L G.L om G.L			Elevation	661	K.B. D.F. 668 G.L. 661			
Date					8-20								
Run Number					ONE			<i>(</i> ~					
Depth Driller				3861					1,12				
Depth Logger				3855				(1)	1,4				
	ottom Logged Interval				3852								
Top Log Interva					1750					14			
Open Hole Size	•		-		6.38			12/		// (
Type Fluid					N/A			(4)					
Density / Viscos					N/A			<u> </u>	_	+ 7			
Max. Recorded					N/A		_						
Estimated Cem		ор			2260			-(-)					
Time Well Read					N/A				_				
Time Logger or		om			N/A UNIT#2				$\overline{}$				
Equipment Nur Location	nber			0100	SONVILLE	10/1/	-						
Recorded By				- 0100	B CASTO	VV. V		***		O Wins			
Witnessed By				·	B CACIO					1.75			
Borehole Record						L	Tubing	Reco	rd				
Run Number		it	From		То	Si	ze	Weight		rom To			
	6.3		1215		3861								
- Veg													
4.			!	_				<u>A</u>	 				
Cooing Docard			Ci	i	\A/-	+/=+			1	Bottom			
Casing Record Surface String			Size		<u>Wg</u>	VFL		Top SURF		1215			
Prot. String								JOIN_		Bottom : 1215 :			
Production Strir	na		4 1/2 "					SURF		T.D.			
Liner	<u> </u>		· ··-										
	W-12-12-0	Commence						- AND THE PROPERTY OF THE PROP	and Specialistic	And recovering the methodeses with relationship recognition for the second			

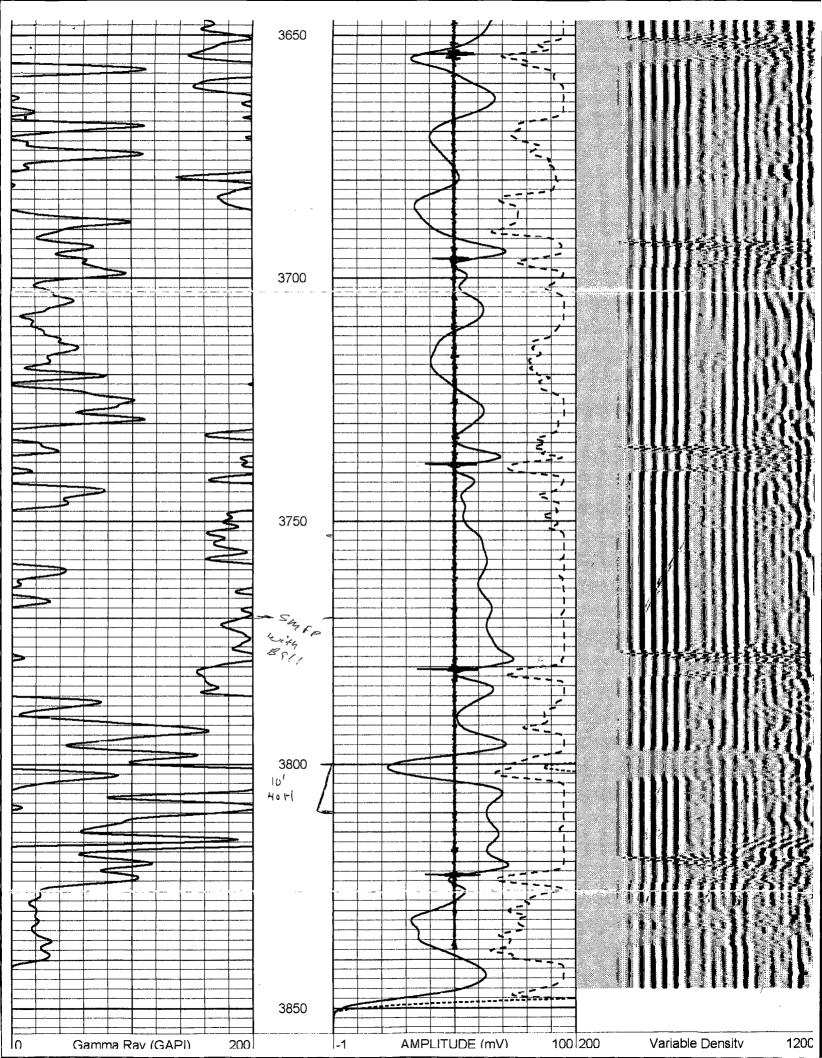




PHOTO DENSITY **COMPENSATED NEUTRON ARRAY INDUCTION**

CHESAPEAKE APPALACHIA, LLC. COMPANY

CHPK # 826603 WELL

CHAMPMAN QUADRANGLE FIELD

LOGAN PROVINCE/COUNTY COUNTRY/STATE

USA / WEST VIRGINIA

LOCATION

LATITUDE 6,019' SOUTH OF 38°02'30" LONGITUDE 13,794' WEST OF 82°02'30"

RGE Other Se vices

TWP SEC

API Number 47-045-02016 Permit Number 02016

Permanent Datum GROUND LEVEL, Elevation 661 Log Measured From D.F.7FT.

Elevations: ΚB feet above Permanent Datum DF 668.00 feet 61.00 feet

3 Since Circulation

x Recorded Temp

LEquipment Name

Equipment / Base

Recorded By

Witnessed By

Field Ticket

Drilling Measured From D.			GL 66
Date	17-7		
Run Number	ONE		
Depth Driller	3864 (1)	feet	
Depth Logger	3878 00	feet	
First Reading	3874.00	feet	
Last Reading	0.00	feet	
Casing Driller	1215.00	feet	
Casing Logger	1224.00	feet	
Bit Size	6.38	inches	
Hole Fluid Type	NONE		
Density / Viscosity			
PH / Fluid Loss			
Sample Source			
Rm @ Measured Temp			
Rmf @ Measured Temp			
Rmc @ Measured Temp			
ce Rmf / Rmc			
D BHT			

deg F

DUNBAR

4 HRS

113.00

13034

3504301

COMPACT

KURT NUNLEY

MR. MILFORD SHOFFNER

RECORD ш BOREHOL

07:13

17-AUG-2007

ast Edited:

Depth To	leel	3861.00	. , , , , , , , , , , , , , , , , , , ,	Wei	bunod	The second second	
				Shoe Depth	feet	1215.00	
Depth From	reet	1215.00	CASING RECORD	Depth From	feet	0.00	
Bit Size	inches	6.378		Size	inches	7.000	NAMES OF THE OWNERS OF THE PROPERTY OF THE PRO
B	- !			Туре	-		

REMARKS

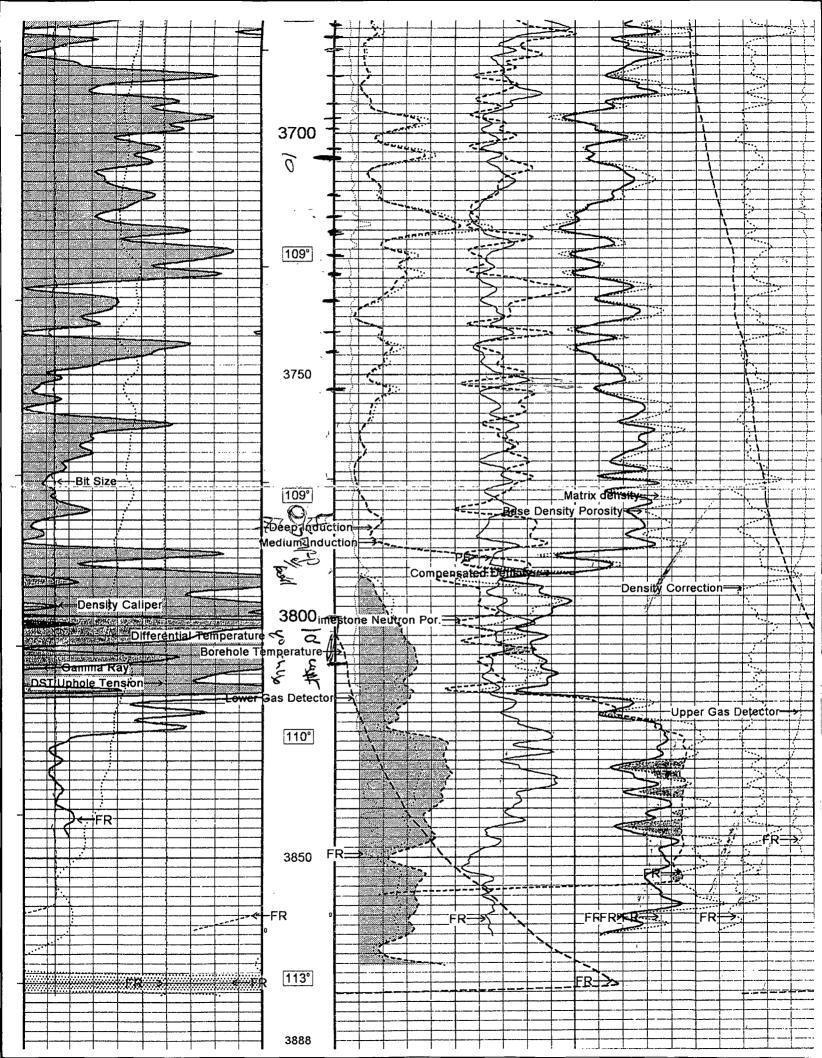
MATRIX DENSITY 2.68 G/CC FROM TD TO 1350' 2.71 G/CC 1350' TO CASING

GUYANDOTTE WATERSHED : DIAL BRANCH

; CURTIS MCINTOSH CREW FOR USING WEATHERFORD

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or







Brett Loflin
Regulatory Compliance
Specialist

February 18, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Dear Ms. Raines,

As you are aware Chesapeake Appalachia, L.L.C. ("Chesapeake") was granted special field rules that allow it to drill 75 feet of rat-hole into the Onondaga Limestone in order to facilitate completing and producing the Marcellus Shale in several areas of West Virginia. Chesapeake drilled well 47:059-01866 in the area covered by Docket No. 179, Cause No. 164, Order No. 1. Please accept the attached affidavit confirming that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in this well. Also, enclosed you will find copies of an electric log indicating the perforation depths. If you have any questions please contact me at 391-5518.

Sincerely,

Brett Lottin

Regulatory Compliance Specialist

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of well 47-059-01866.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in well 47-059-01866.

5. Further, Affiant saith not.

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this $\frac{20}{20}$ day of $\frac{30}{20}$, 2008.

Bitty of Paolini
Notary Public

Movember 18, 2008

My commission expires Novemb

Cherieston, WV 25301 Commission Expires Nov. 18, 2009

CFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Delty J. Pacifini
1800 Pine Menor Road

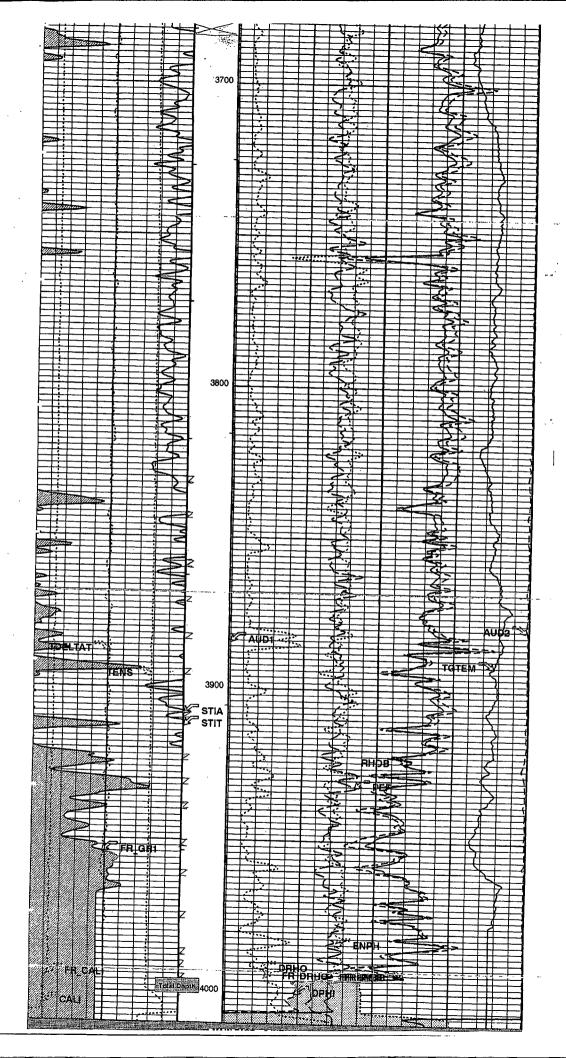
									Sc	ìШ	iber	jer
Company	CH	ESAP	EAKE	APi	PALA	Cŀ	AIF					
Well. Field: County:	CREEK	Ċ		S	tate	: WES	ST V	iRGII	AIV			
	Lander Sec	NGO HO DE	NSITY	CC	MPN	JFI	ITR	ON	Security of the second			
ETTIO DI				-			* L \	,,,,				9
AC		GA	WIWA F	RAY / CA	⊀L!P	EK						
0 00 c		AUI	DIO/T	EMPER	EMPERATURE							
MILLER CREEK 1313 FSL 37 50 00 826581 CHESAPEAKE APPALACHIA		1313	FSL 37	50 00					Elev.:	KB.	0 ft	
10240 FWL				B2 17 30						G.L.	0 ft	()
MILLER CREEK 1313 LSL 37 10540 LMC 1313 LSL 37 10540 LMC 100 LMC 1313 LSL 37 10540 LMC 100 Measured 1313 LSL 33 10540 LMC										D.F.	0 ft	
MILLEF 1313 F 826581 CHESA	Š	Perm	nanent Dat	tum: GROUND LEVEL				Elev.:	0 ft	-		
		Log	Measured	From: KELLY BUSHING					0.0 ft	above	e Perm. [Datum
يخ ي	E E Drilling Measu				red From: KELLY BUSHING							
0 X W A I			rial No. District 01866 HARDE				- 1	Region: Quadrar SOUTHWEST NAUGAT				
Logging Date				18-Oct-200	07							
Run Number				1								
Depth Driller				4055 ft								
Schlumberger Depth				4000 ft 3992 ft						· · · · · ·		
Bottom Log Interval				1968 ft								
Top Log Interval Casing Driller Size @ Depth			ith.	7.000 in @ 2000 ft @								
Casing Schlum				1968 ft								
Bit Size			6.375 in									
Type Fluid in Hole				AIR								
Density	1	√iscosi	ty	0 lbm/gal								
Fluid Loss		H				<u> </u>			·			
Source Of Sample												
RM @ Measured Temperature						<u>@</u>					<u>@</u>	
	RMF @ Measured Temperature		@			@						
RMF @ Measur				 		@					@	
RMF @ Measur RMC @ Measur	ed 1	empe				@					@	
RMF @ Measur RMC @ Measur Source RMF	ed 1	rempe RMC	rature	e e	ο ο	@	ക	0			@	@
RMF @ Measur RMC @ Measur Source RMF RM @ MRT	ed 1	rempe RMC RMF @	rature MRT		0	@ 	@	0	(@	@	@
RMF @ Measur RMC @ Measur Source RMF	rdec	rempe RMC RMF @ I Temp	rature MRT	@ 0 degF	2 0	@	@	0	(@	@	@

Unit Number

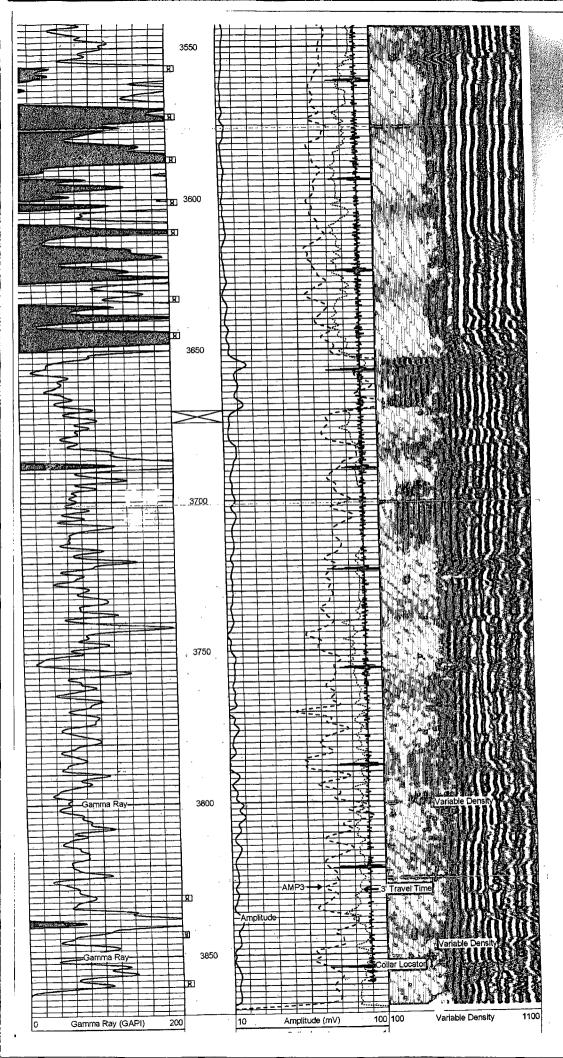
December Dec

Location

3080 INEZ, KY



rc - 826581 - 200A



c. 826581 - 2007



Brett Loflin
Regulatory Compliance
Specialist

February 4, 2008

Ms. Cindy Raines WV Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304

Re:

Docket No. 179 Cause No. 164

Order No. 1

Dear Ms. Raines:

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Sincerely,

Brett/oflin

AFFIDAVIT

Affiant, Michael John, being first duly sworn, states the following:

- 1. I am a Vice President-Operations, Eastern Division, for Chesapeake Appalachia, L.L.C. (hereinafter "Chesapeake").
- 2. As Vice President-Operations, Eastern Division, my responsibilities include general oversight of departments responsible for the completion and drilling of Chesapeake wells and the regulatory compliance of those wells.
- 3. I have reviewed a copy of the attached electric log showing the perforation depths of the wells listed on Attachment A.
- 4. I hereby confirm that Chesapeake has not perforated or produced any formation below the base of the Marcellus Shale in the wells listed on Attachment A.

Further, Affiant saith not.	5.	Further,	Affiant	saith	not.
---	----	----------	----------------	-------	------

Michael John

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, to-wit:

Taken, subscribed and sworn to before me this <u>11</u> day of <u>February</u>, 2008.

Notary Public

My commission expires November 18, 2008

(SEAL)

OFFILIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Besty J. Psolini 1909 Pine Menor Roed Charleston, WV 25301 My Conditission Expires Nov. 18, 2008

W:\Tinki\Special Eigld Bulgs\affidavit form doccord

Attachment A

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API Number	Well Number
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043-03322	826522
043-03321	826521
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045-01973	826492
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045-02019	826486
043-03314	826431
043-03326	826429
043-03308	826267
043-03323	826264
043-03318	826147
005-00075	804069
045-01828	825789
045-01991	825906
045-01992	825912

FORMATION TOPS FOR WELL #826646, LOGAN CO., GUYAN DISTRICT, WV, API #47045020200000

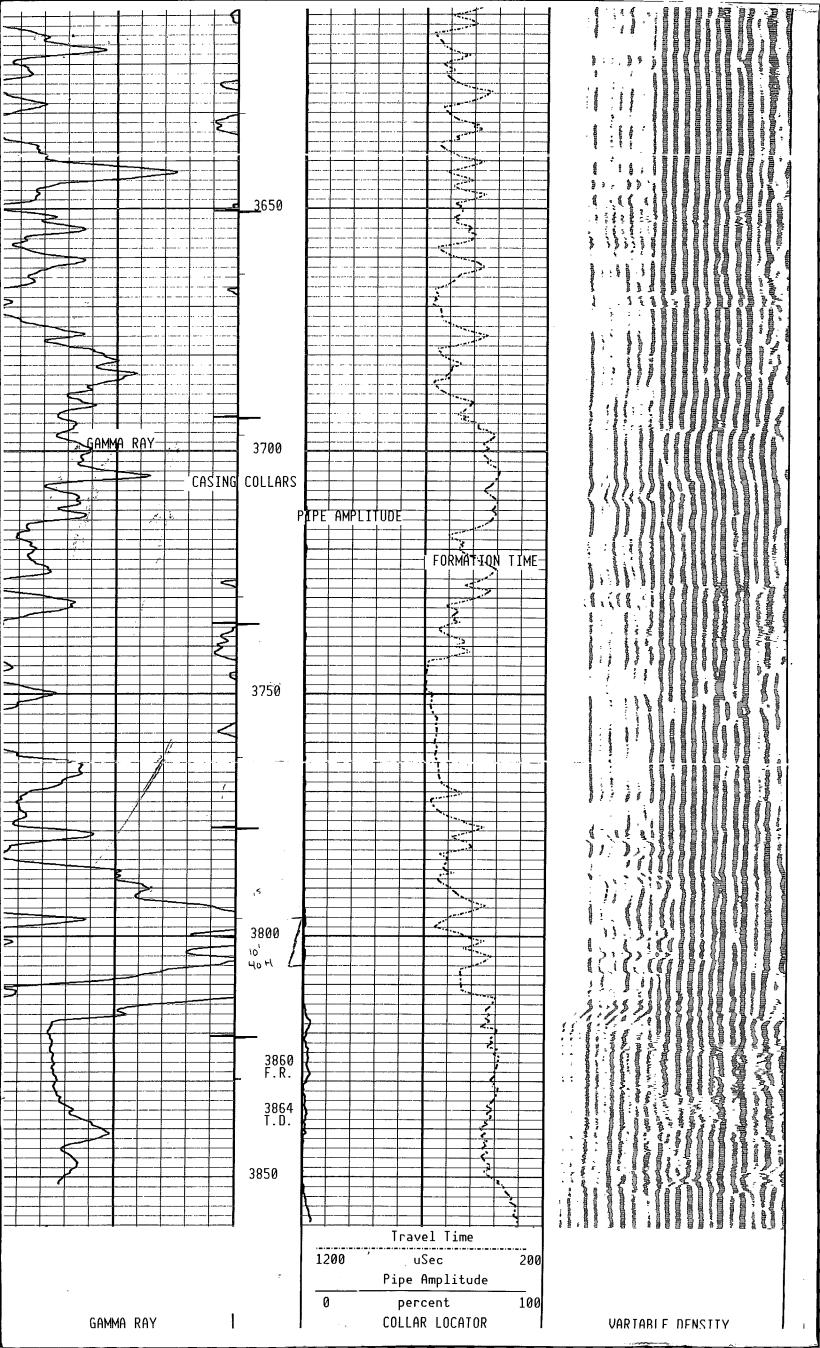
FORMATION	TOPS
BGLM SNBR GRDN HURNL RNSR MRCL	1196.88 1862.05 2084.98 3168.56 3517.00 3773.82
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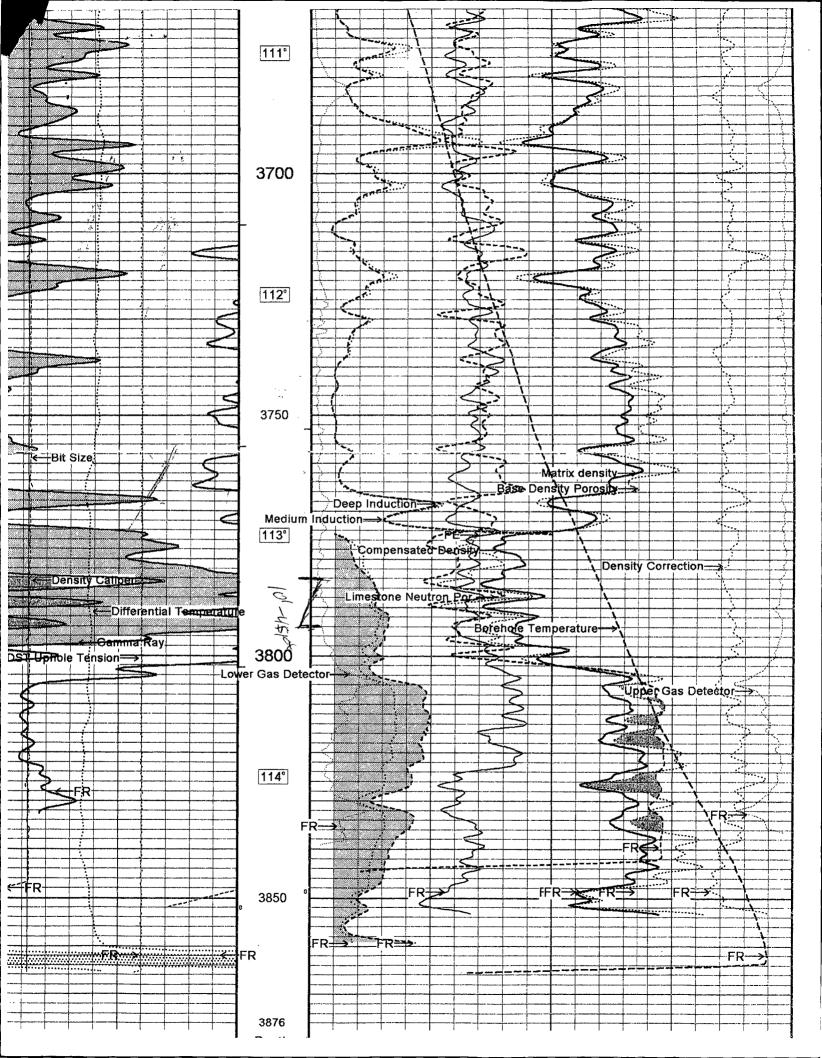


Field Ticket

PHOTO DENS COMPENSATED N ARRAY INDUC

•	_	ANNAI	ואטטע					
COMPANY	CHESAPE	CHESAPEAKE APPALACHIA, LL						
WELL	CHK 8266	46	······································					
FIELD	CHAPMAN	WILLE QUAD	GUVAN					
PROVINCE/COUNTY	LOGAN	TTILL GOND,	OO I VIA					
COUNTRY/STATE		ST VIRGINIA						
LOCATION		3,660' SOUTH	AE 2007					
	LONGITUE	0E 572' WEST	∵UF 38°(∩F 82°∩′					
LSD SEC TWP	RGE Ot	her Services	01 02 01					
ARI Number 47-045-0	2020							
Permit Number 02020	2020							
Permanent Datum GROI	JND LEVEL FIE	evation 762 fee						
Log Measured From D.F	8 FT above	e Permanent Datum	žľ.					
Drilling Measured From I	D.F.	e i cimanent Datum						
Date	28-AUG-200							
Run Number	ONE	''						
Depth Driller	3855.00	feet						
Depth Logger	3864.00	feet or a seed						
First Reading	3862.00	feet						
Last Peading	0.00	feet						
Casing Driller	1144.00	teot						
Casing Logger	1154.00	feet						
Bit Size	6.25	inches '						
Hole Fluid Type	NONE							
Density / Viscosity								
PH / Fluid Loss								
Sample Source								
Rm @ Measured Temp								
Rmf @ Measured Temp			- 					
Rmc @ Measured Temp			1 21					
Source Rmf / Rmc								
Rm @ BHT								
Time Since Circulation	3.5 HRS		 -					
Max Recorded Temp	114.00	deg F						
Equipment Name	COMPACT							
Equipment / Base	13034	DUNBAR						
Recorded By	KURT NI MI E	Y						
Witnessed By	MR.MILLORE	SHOFFNER						
Field Ticket	2504240							

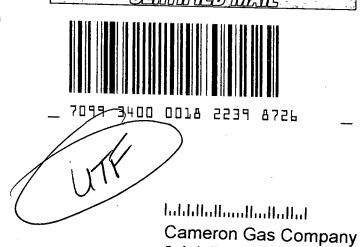
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Nest Virginia Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304



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Oil and Gas Conservation Commission 601 57th Street, SE Charleston, West Virginia 25301 Joe Manchin III, Governor www.wvdep.org

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY CHESAPEAKE APPALACHIA, LLC FOR AN ORDER FROM THE COMMISSION ESTABLISHING SPECIAL FIELD RULES IN BOONE, KANAWHA, LINCOLN, LOGAN AND MINGO COUNTIES, WEST VIRGINIA COVERING NESTLOW, BRANCHLAND, HAGER. JULIAN, GRIFFITHSVILLE, RADNOR, KAIHSVILLE, RANGER, BIG CREEK, MUD, WEBB, WILSONDALE, TRACE, CHAPMANVILLE, KERMIT, NAUGATUCK, MYRTLE, WILLIAMSON, **DELBARTON** HOLDEN BARNABUS QUADRANGLES.

DOCKET NO. 179

CAUSE NO. 164

NOTICE OF HEARING

Chesapeake Appalachia, LLC (Chesapeake) has requested a hearing before the Commission for the establishment of special field rules covering Boone, Kanawha, Lincoln, Logan and Mingo Counties. Chesapeake wishes to drill several Marcellus shale wells in the designated area. Although the Marcellus is a "shallow" formation, Chesapeake proposes to drill 75 feet into the Onondaga limestone to enable the logging and completion of the entire Marcellus shale section. Chesapeake will not perforate or complete any formation below the base of the Marcellus shale formation; however, by definition, since the proposed wells will be drilled in excess of twenty feet into the Onondaga limestone, they will be considered deep wells. Therefore, Chesapeake is requesting the Commission set spacing for the proposed wells to conform to the following: 1000' between wells and 50' from a lease line or unit boundary.

Notice of the pre-hearing conference was given as required by law by Chesapeake Appalachia, LLC to all interested parties.

DATE: May 17, 2007

TIME: immediately following the 9:00 pre-hearing

PLACE: Department of Environmental Protection

Oil and Gas Conservation Commission

601 57th Street, SE Charleston, WV 25304

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

By

arry K. Lav Commissioner

Dated this 19th day of April, 2007, at Charleston, West Virginia.

West Virginia Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304





Job blob blob bloom III Mills Drilling Co., Inc P O Box 65 Wayne, W\' ^553

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3	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<i>\$</i>	 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature X ☐ Agent ☐ Addressee	
•	so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery	
*	Mills Drilling Co., Inc P O Box 65 Wayne, WV 25570	dress different from item 1? ☐ Yes delivery address below: ☐ No	
		3. Service Type Certified Mail	
	2. Article Number	4. Restricted Delivery? (Extra Fee) Yes	



Oil and Gas Conservation Commission 601 57th Street, SE Charleston, West Virginia 25301 Joe Manchin III, Governor www.wvdep.org

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY CHESAPEAKE APPALACHIA, LLC FOR AN ORDER FROM THE COMMISSION ESTABLISHING SPECIAL FIELD RULES IN BOONE, KANAWHA, LINCOLN, LOGAN AND MINGO COUNTIES, WEST VIRGINIA COVERING BRANCHLAND, HAGER, JULIAN. NESTLOW, GRIFFITHSVILLE, RADNOR, KAIHSVILLE, RANGER, BIG CREEK, MUD, WEBB, WILSONDALE, TRACE, CHAPMANVILLE, KERMIT, NAUGATUCK, MYRTLE, WILLIAMSON. **DELBARTON** HOLDEN BARNABUS QUADRANGLES.

DOCKET NO. 179

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Oil and Gas Conservation Commission

601 57th Street, SE Charleston, WV 25304

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

By:

rry K. Law Commissioner

Dated this 19th day of April, 2007, at Charleston, West Virginia.

West Virginia Oil and Gas Conservation Commission 601 57th Street Charleston, WV 25304



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Oil and Gas Conservation Commission 601 57th Street, SE Charleston, West Virginia 25301

Joe Manchin III, Governor www.wvdep.org

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY CHESAPEAKE APPALACHIA, LLC FOR AN ORDER FROM THE COMMISSION ESTABLISHING SPECIAL FIELD RULES IN BOONE, KANAWHA, LINCOLN, LOGAN AND MINGO COUNTIES. WEST VIRGINIA COVERING BRANCHLAND, HAGER. JULIAN, NESTLOW. GRIFFITHSVILLE, RADNOR, KAIHSVILLE, RANGER, BIG CREEK, MUD, WEBB, WILSONDALE, TRACE, CHAPMANVILLE, KERMIT, NAUGATUCK, MYRTLE, **DELBARTON** HOLDEN WILLIAMSON, BARNABUS QUADRANGLES.

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TIME: immediately following the 9:00 pre-hearing

PLACE: Department of Environmental Protection

Oil and Gas Conservation Commission

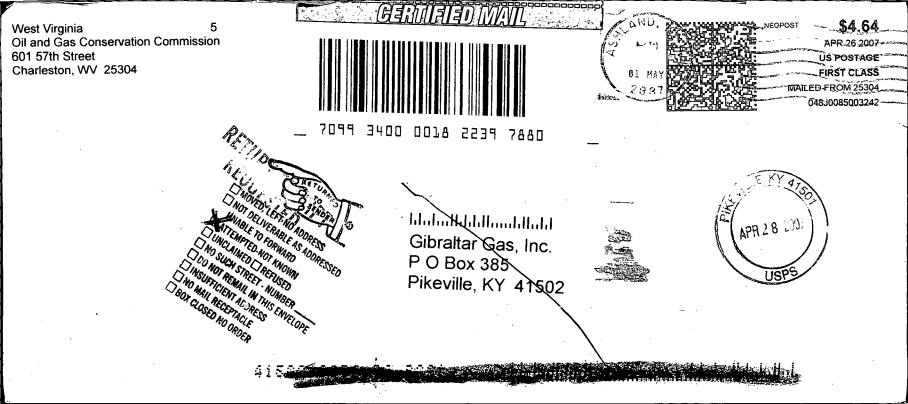
601 57th Street, SE Charleston, WV 25304

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

Bv:

Barry K. Law Commissioner

Dated this 19th day of April, 2007, at Charleston, West Virginia.



- 5-6-SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY ■ Complete items 1, 2, and 3. Also complete A. Signature item 4 if Restricted Delivery is desired. ☐ Agent Print your name and address on the reverse ☐ Addressee so that we can return the card to you. B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the mailpiece, or on the front if space permits. dress different from item 1? ☐ Yes Idaladidahlamlaladi delivery address below: ☐ No Gibraltar Gas, Inc. P O Box 385 Pikeville, KY 41502 Certified Mail ☐ Express Mail Registered ☐ Return Receipt for Merchandise □ C.O.D. Insured Mail 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number (Transfer from service label) PS Form 3811 February 200





Oil and Gas Conservation Commission 601 57th Street, SE Charleston, West Virginia 25301 Joe Manchin III, Governor www.wvdep.org

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

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DATE: May 17, 2007

TIME: immediately following the 9:00 pre-hearing

PLACE: Department of Environmental Protection
Oil and Gas Conservation Commission

601 57th Street, SE Charleston, WV 25304

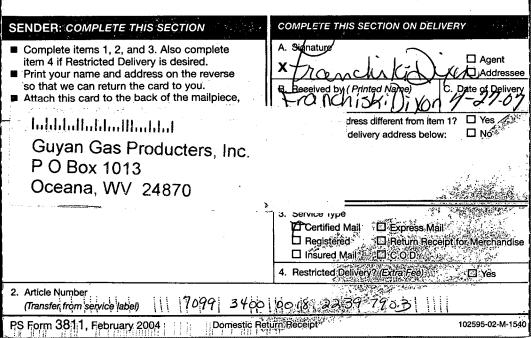
OIL AND GAS CONSERVATION COMMISSION

Bv:

Barry K. Law Commissioner

OF THE STATE OF WEST VIRGINIA

Dated this 19th day of April, 2007, at Charleston, West Virginia.



COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. Also complete (KX) Agent item 4 if Restricted Delivery is desired. Print your name and address on the reverse Addressee so that we can return the card to you. (Printed Name) B. Regeived by C. Date of Delivery Attach this card to the back of the mailpiece. or on the front if space now ess different from item 1? halldalladladladdd **Æ**ÆÎNo elivery address below: Freedom Oil & Gas, Inc. P O Box 400 Canonsburg, PA 15317 3. Service Type Certified Mail ☐ Express Mail Registered ☐ Return Receipt for Merchandis □ C.O.D. Insured Mail 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 3400 0018 2239 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Récèipt

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P O Box 155 Alle, KY 41601		
·	3. Service Type ☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Recei ☐ Insured Mail ☐ C.O.D.	pt for Merchandise
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1 Inhibitualidimulatid Equitable Production Compar 1710 Pennsylvania Avenue Charleston, WV 25302	elivery address below: No
	Certified Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
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	3. Service Type Cartified Mail Express Mail Registered Return Receipt for Merchandise	
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PMJ, Inc.	
501 E. McDonald Avenue	•
Man, WV 25635	
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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
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C. F. Shewey P O Box 108 Kermit, WV 25674	ivery address below: No
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PS Form 3811, February 2004 Domestic Retu	

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Big C Production & Processin 534 5th Avenue Huntington, WV 25701	ess different from item 1?
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Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailbiece or 1. Art Allen & Jessie Gas Wells, Box 1437 Williamson, WV 25661	A. Signature Agent Addressee B. Received by (Cripted Name) C. Date of Delivery July 15 (1997) Agent Addressee D. Received by (Cripted Name) C. Date of Delivery Sifferent from item 1? Yes No
	3. Service Type Certified Mail
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so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery Earl Basins 425/07
hildddallindalald	dress different from item 1? / ☐ Yes delivery address below: ☐ No
Earl C. Bevins	
1648 Buena Vista Drive	
Huntington, WV 25704	
See the second s	3. Service Type
	Certified Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
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COMPLETE THIS SECTION ON DELIVERY **SENDER: COMPLETE THIS SECTION** A. Şighature ■ Complete items 1, 2, and 3. Also complete ☐ Agent item 4 if Restricted Delivery is desired. Print your name and address on the reverse □ Addressee so that we can return the card to you. C. Date of Delivery B. Received by (Rrinted Name) Attach this card to the hack of the mailnions ☐ Yes is different from item 1? very address_below: Bill & Jessie, Inc. 50555 P O Box 8213 Huntington, WV 25705 3. Service Type Certified Mail Receipt for Merchandise ☐ Registered Insured Mail C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 3400 0018 2239 7099 9198 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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<u> </u>	dress different from item 1?
hildellandilliandlidel	r delivery address below: No
Ross & Wharton Gas Compan	y, Inc.
Route 5, Box 29	
Buckhannon, WV 26201	
	Certified Mail
	4. Restricted Delivery? (Extra Fee) Yes
2. Article Number (Transfer from service label) 7099 3400 &	0018 2239 8313
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Infildathiladaaall	r delivery address below: No
Simcon Oil and Gas Corporatio Route 7, Box 407 1/2 South Charleston, WV 25309	n
	Contified Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service label) 7 099 3400 00	018 2239 8283
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou. Individual address on the reverse so that we can return the card to vou.	A. Signature X Daw Daw Agent Addressee / (Printed Name) C. Date of Delivery Dav / D Bar (2000) Idress different from item 1? Yes r delivery address below: No
	3. Service Type Gertified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
	4. Restricted Delivery? (Extra Fee) Yes
2. Article Number (Transfer from service label) 7099 3400 c	0018 2239 9143
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature X Agent Addressee B. Received by (Printed Name) C. Date of Delivery C. Date of Delivery
	Iress different from item 1?
ledddin ddin ddin ddin ddin ddin ddin ddi	delivery address below: No
Dominion Exploration & Product P O Box 1248 Jane Lew, West Virginia 26378	ion, Inc.
	☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number	6 00 30 8 7 / 2
(Transfer from service label) [1099] 13400 00	018112239187140 1111 11
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, 	A. Signature X
Tedik Ltd., Partnership P O Box 1956 Williamson, WV 25661	s different from item 1? Yes very address below: No
·	3. Service Type Certified Mail Registered Return Receipt for Merchandise C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number	0 0018 2239 8522
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse C. Date of Delivery so that we can return the card to you. B. Received by (Printed Name): ess different from item 1? ☐ Yes elivery address below: C E Richner Box 310 Pineville, WV 24874 3. Service Type Certified Mail ☐ Express Mail □ Registered ☐ Return Receipt for Merchandise Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes ⊱²S Form 3811, February 2004 → 02595-02-M-1540 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space porman. 	A. Signature X
Enervest Operating, LLC 300 Capitol Street, Suite 700 Charleston, WV 25301	lress different from item 1? ☐ Yes felivery address below: ☐ No
Chaneston,	3. Service Type Certified Mail Registered Return Receipt for Merchandise C.O.D.
	4. Restricted Delivery? (Extra Fee) Yes
2. Article Number (Transfer from service label) 7099 3400	0018 2239 8221
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery
	dress different from item 1? Yes
Cabot Oil and Gas Corporation Attention: Tom Liberatore 900 Lee Street, East - Suite 500 Charleston, WV. 25301	delivery address below:
	☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee) Yes
2. Article Number (Transfer from service label) 7099 3400 0018 2239 8160	
PS Form 3811, February 2004 Domestic Retu	irn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Sonature X Vengoe geogram Addressee
so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Mane) C. Date of Delivery
H ···.	fress different from item 11 Yes
- ԳոհհենսեՄամիաՄ	delivery address below:
D & P Gas Company, Inc.	·
Route 3, Box 414	
Branchland, WV 25506	
	Scerified Mail
	Registered Return Receipt for Merchandise
	☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number 7099 34000018 2239 8405	
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this cond to the company of the company of the cond to the company of the cond to the company of the cond to the	A. Signature X
	3. Service Type Certified Mail
the state of the s	0018 2239 8344
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. At or Infinitely Infinitely Infinited Partner 4 Squires Drive St. Albans, WV 25177	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery H 26 07 different from item 1? Yes ery address below: No
	3. Service Type Certified Mail
2. Article Number (Transfer from service label) 7 099 34.00	0018 2239 8108 11
PS Form 3811, February 2004 Domestic Reti	urn-Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Sigma Corporation Box 310 Pineville, WV 24874-0310	B. Received by (Printed Name) C. Date of Delivery ress different from item ? Yes Jelivery address below: No
Fillevine, VVV 240/4-0510	
•	Certified Mail
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 17099, 3400	10018 12239 8290 111
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature Agent Agent Agent Agent C. Date of Delivery Frunklin Halin 1/26/0
The second secon	tress different from item 1? The Yes
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Franklin Adkins	
P O Box 70	
Ona, WV 25545	
	☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7099 3406 (0018 2239 9129
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

mark the real	· ·
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailplace 	A. Signature X Joyce Stown Agent Addressee B. Received by (Printed Name) Joyce Gron 4 C. Date of Delivery
Eastern American Energy Corporation Attention: Don Supcoe 501 56th Street, SE Charleston, WV 25304	dress different from item 1? ☐ Yes delivery address below: ☐ No
	3. Service Type Certified Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 1 7099 3400 (Transfer from service label)	0018 2239 8153
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1549

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery 4 25
- Indiddadidhadaddal	ress different from item 1? Yes
New River Energy Corporation 315 70th Street Charleston, WV 25304	lelivery address below: No
	3. Service Type
e e e e e e e e e e e e e e e e e e e	
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7099 3400 06	018 239 8085
PS Form 3811, February 2004 Domestic Retu	ırn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. Lillian Stowers Energy LLC P O Box 652 Hamlin, WV 25523	A. Signature X Agent Addressee B. Received by (Printed Name) C. Date of Delivery Idress different from item 1570 Yes Idelivery address below:
	3. Service Type
	Service type Certified Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 11 170991 3400	10018 2239 827611
PS Form 3811, February 2004 Domestic R	eturn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. KV Oil & Gas, Inc. 161 Yellow Jacket Drive Versailles, KY 40383	A Signature Agent Addressee B. Received by (Printed Mame) C. Date of Delivery 2007 dress different from item 1? Yes delivery address below:
2 Acticle Nilymbor	Certified Mail
(Transfer from service label) 7099 3400	0018 2239 7972
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature Agent Agent Addressee B. Received by (Printed Name) C. Date of Calivery
M & M Oil and Gas Development P O Box 1721 Huntington, WV 25718	Co., Inc.
	Certified Mail
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7 099 3400	0018 2239 7996
PS Form 3811, February 2004 / Domestic Ret	turn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if.Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece or on the front if the last of the mailpiece. 	A. Signature X Wall Tollhamer Addressee B. Reneived by Green and Name C. Date of Delivery Lucy Coll 19 1/14 Marer 5/1/07
Linn Operating, Inc. 480 Industrial Park Road Jane Lew, WV 26201	lifferent from item 1? ☐ Yes y address below: ☐ No
20.3	3. Service Type Certified Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service lebel). 12099 340	0 0018 2239 7989
olinear in	102595-02-M-1540

	- And Children William
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. 	A. Signature Agent Addressee (Printed Name) C. Date of Delivery
H. D. Wells Oil & Gas P O Box 1785 Charleston, WV 253236	Idress different from tempy Pes delivery aggress below ANNO MAY 255 2717
	3. Service Type Certified Mail Registered Return Receipt for Merchandise C.O.D.
	4. Restricted Delivery? (Extra Fee) Yes
2. Article Number (Transfer from service label) 7099. 3400	0018 2239 7842
PS Form 3811, February 2004 Domestic Re	turn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailning. 	A. Signature Agent Agent Addressee B. Received by (Printed Name) C. Date of Delivery
Wetzel Gas Compan 5662 Bloss Road Lavaletta, WV 25535	s different from item 1? ☐ Yes very address below: ☐ No
	3. Service Type Certified Mail
2. Article/Number::: : ::: ::: : : : : : : : : : : : :	
(Transfer from service label)	0220 0000 3294 7513
PS Form 3811, February 2004 Domestic Retu	in Receipt 102595-02-M-1540

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COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Also complete: :: item 4 if Restricted Delivery is desired. 🛛 Agent Print your name and address on the reverse Addressee so that we can return the card to you. B. Received by (Printed Name Vin C. Date of Delivery Attach this card to the back of the mailpiece, or on the front if space permits. dress different from item 1? Indicated the indicated and the allegations and the indicated and indica delivery address below: DRIOC Acquisitions, LLC 4502 Herend Place Fairfax, AL 22032 ™Certified Mail ☐ Express Mail ☐ Registered Return Receipt for Merchandise ☐ Insured Mail □ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 0018 2239 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Mountain V Oil & Gas, Inc. P O Box 470	A. Signature X
Bridgeport, WV 26330	
	3. Service Type Certified Mail
2. Article Number (Transfer from service label) 1 7,099 13400	0,018, 12239,18047,11,11
RS Form 3811, February 2004 Domestic Ret	71 . 77 . 77 . 77 . 77 . 71 . 71

- 飲港	
SENDER: COMPLETE THIS SECTION	**COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	B. Received by (Printed Name) C. Date of Delivery
- հունինունինուննումն	dress different from item 1?
Wayne Gas Company	delivery address below: No
P O Box 397	
Wayne, WV 25570	:
•	3. Şervice iype
	☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service label) 7099 3400	0018 2239 7859
RS Form 3811, February 2004	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse card to you.	A. Signature Agent B. Received by (Printed Name) C. Date of Delivery
Mountaineer Gas Services, In 2401 Sissonville Drive Charleston, WV 25312	ess different from tern 1? Yes elivery address below: No
· · · · · · · · · · · · · · · · · · ·	3. Service Type Certified Mail
	4. Restricted Delivery? (Extra Fee)
2. Article Number ((Transfer from service label) 7099 3400 6	00(8 2239 8054
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery	
- Idullhaublablablab K & R Operating Co P O Box 3268 Pikeville, KY 40223	dress different from item 19 Ves delivery address below: APR 3 0 2007	
	3. Service Type Certified Mail Registered Return Receipt for Merchandise C.O.D.	
	4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number (Transfer from service label) 7099 3400	0018 2239 7958	
PŚ Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	A. Signature X A. Signature D. Addressee B. Received by Printed Name App. C. Date of Delivery
Attach this card to the back of the mailpiece,	B. Received by (Printed Name) APR 2 7 2007 \$
Huntington Oklahoma Oil Coil P O Box 424 Huntington, WV 25709	ess different from item 1? es/ eslivery address below: 1 No 5701
i de la companya del companya de la companya del companya de la co	■ SLCertified Mail
	Registered Return Receipt for Merchandise Insured Mail C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service label) 7099 3400 (0018 2239 7927
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you J.M.L. Oil & Gs Company P.O. Box 1467 Paintsville, KY 41240	A. Signature Agent Addressee Ad
•	3. Service Type (Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D: 4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7099 3400	00(8 2239 7934
PS Form 381 11 February 2004 Domestic Ret	turn Receipt 102595-02-M-1540

NAte.	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	A. Signature X
Inhibitable black black	ss different from item 1? Yes
Brady Resources, Inc.	livery address below: No
Route 2, Box 453	P068
Salt Rock, WV 25559,430	BRIDG EPORT
7 2002	3 Service Type 26330
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Certified Mail Express Mail
/S// AGA N	Registered Return Receipt for Merchandise C.O.D.
N THE S	4. Restricted Delivery? (Extra Fee)
O Author Michigan	018 2239 19204
PS Form 3811, February 2004 Domestic Re	turn Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the mailpiece, or on the front if spage permits ss different from item 1? Idalidadadaalii dall livery address below: Triad Resources P O Box 430 Reno, OH 45773 3. Service Type Certified Mail ☐ Express Mail Registered ☐ Return Receipt for Merchandise ☐ Insured Mail □ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 3400 0018 2239 8245 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature Agent Addressee
so that we can return the card to you. Attach this card to the back of the array.	R. Pagained 1 Printed Name) C. Date of Delivery
Payne Gas Company 4977 Linkous Ct. Hilliard, OH 43026	ess different from item 1? Yes slivery address below: No
	3. Service Type Certified Mail
·	4. Restricted Delivery? (Extra Fee)
2. Article Number 7099 3400	0018 2239 8715
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits 1. A Jackson Resources Co 24 Second Street Hamlin, WV 25523	A. Signature Agent Addressee Addressee B. Received by (Printed Name) C. Date of Delivery S. different from item 1? Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
	3. Service Type Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7099 3400	0018 2239 7941
PS Form 38 11, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space and the second of the property if space and the second of the property if space and the second of the property if space and the second of the property if space and the second of the property if space and the second of the property if space and the second of the property if space and the second of the property is a second of the property if space and the second of the property is a second of the property in the second of the property is a second of the property in the second of the property is desired. 	A. Signature X. D. Agent Addressee B. Received by (Printed Name) C. Date of Delivery
Quality Natural Gas, LLC 1555 Ky Route 80 Prestonburg, KY 41653	s different from item 1? ☐ Yes very address below: ☐ No
	3. Service Type ☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
•	4. Restricted Delivery? (Extra Fee)
Article Number (Transfer from service label) 7099 3400 (0618 2239 8337
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. MV Crum Gas Partners POBox 1467 Paintsville, KY 41240	A. Signature Agent Addressee B. Received by (Printer Name), C. Date of Delivery Iress different from item 1? Yes delivery address below:		
	3. Service Type Certified Mail		
2. Article Number (Transfer from service label) 7099 3400 Oc	018 2239 8184		
PS Form 3811, February 2004 Domestic Re	turn Receipt 102595-02-M-1540		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space powers. 	A Signature Agent Agent Addressee B. Received by (Printed Name) C. Date of Delivery JULIE GREEN 4070000		
1. A Inhibition Inhibition III Myers Drilling Company 5600 Shawnee Drive Huntington, WV 25705	different from item 1? ☐ Yes ery address below: ☑ No		
i jurium gra	3. Service Type Certified Mail		
2. Article Number (Transfer from service label) 7099 3400 00	018 2239 8078		
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540			

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to would have a so that we can return the back of the mailine or a so that we can return the card to would have a so that we can return the card to	A. Signature X. Charyl Lyca
	3. Service Type Certified Mail
2. Article Number (Transfer from service label) 7099 340	0 0018 2239 7873
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Martin-Stowers P O Box 360	A. Signature X. Tuyce Martin Pagent A. Signature X. Tuyce Martin Pagent A. Signature X. Tuyce Martin Pagent A. Signature C. Date of Delivery Idress different from item 1? Yes r delivery address below: No		
West Hamlin, WV 25571	•		
	-		
	3. Service Type		
	Express Mail		
	Registered Return Receipt for Merchandise		
	☐ Insured Mail ☐ C.O.D:		
	4. Restricted Delivery? (Extra Fee) ☐ Yes		
2. Article Number (Transfer from service label) 7099 3400 0018 2239 8023			
PS Form 3811, February 2004 Domestic Retu	rn Receipt 102595-02-M-1540		

* · · · · · · · · · · · · · · · · · · ·			:
SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DEL	IVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reso that we can return the card to you. Inhibiting Michael Davis P O Box 328 East Lynn, WV 25512		A. Signature Printed Name Iddress different from ite er delivery address belo	—
2. Article Number (; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	4 31 1 1	☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee)	ail eipt for Merchandise
2. Article Number (Transfer from service label)	3400 0	018 2239 8351	
PS Form 3811, February 2004	Domestic Ret	urn Receipt	102595-02-M:15,40

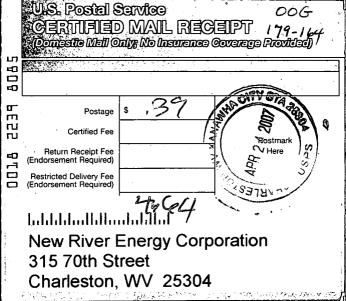
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits 	A. Signature X Agent > Addressee B. Received by (Printed Name) C. Date & Delivery
 	lress different from item d? □ Yes
1 - Indiana Buldan lahah dalah	lelivery address below. No
Gilbert Exploration Company, P O Box 310	Inc.
Pineville, WV 24874	
	Service type S-Certified Mail Registered Part Receipt for Merchandise C.O.D.
ر ا ا	4. Restricted Delivery? (Extra Fee)
2: Article Number	166/81 22391 78971
PS Form 3811, February 2004 Domestic Reti	urn Receipt 102595-02-M-1540

to make	•
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1	A. Signature A. Signature Addressee B. Received by (Printed Name) ress different from item/? elivery address below: No No No No No No No No No N
Kingsport, TN 37660	o. Gervice type
*	
	4. Restricted Delivery? (Extra Fee)
2. Article Number	0018 2239 8122
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Intelligible of the complete items of the reverse so that we can return the card to you. Brewer Natural Gas, LLC 825-C Merrimon Avenue, #31 Asheville, NC 28804	A. Signature X
	Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 7099 3400	0018 2239 9211
PS Form 3811, February 2004 Domestic Ret	urn Receipt 102595-02-M-1540

	% * € ***	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailbiece. 	A. Signature Agent Addresse B. Received by (Printed Name) C. Date of Deliver 4 27-07	
Mahue Construction Company P O Box 555 Hamlin, WV 25523	dress different from item 1? ☐ Yes delivery address below: ☐ No	
· · · · · · · · · · · · · · · · · · ·	Service Type Certified Mail	
	4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number (Transfer from service label) 7099 3400, 00(8 2239 8009		
PS Form 3811, February 2004 Domestic Ret	un Receipt 102595-02-M-154	

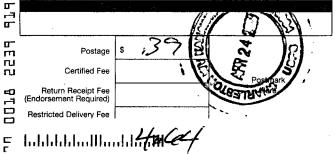
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature X
Chesapeake Appalachia, LLC Attention: Brett Loftin P O Box 6070	Por 2530 2 2 200 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Charleston, WV 25362	Certified Mail Express Receipt for Merchandise Insured Mail C.O.D.
2. Article Number. 7007	0770 0000
(Transfer from service label)	UEEU UUUU 3294 5007
PS Form 3811, February 2004 Domestic Re	turn Receipt 102595-02-M-1540





CERTIFIED MAIL RECEIPT

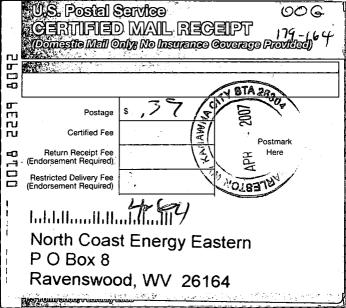
(Domestic Mail Only; No Insurance Coverage Provided)



Bill & Jessie, Inc. P O Box 8213

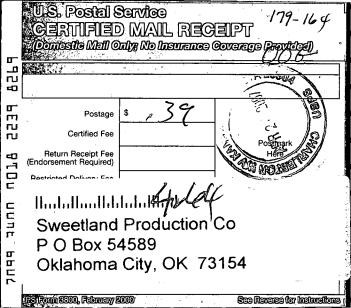
Huntington, WV 25705

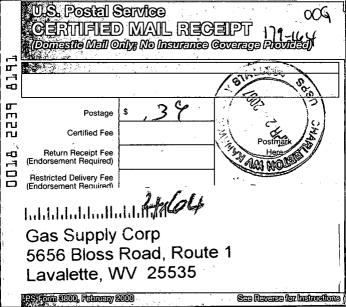
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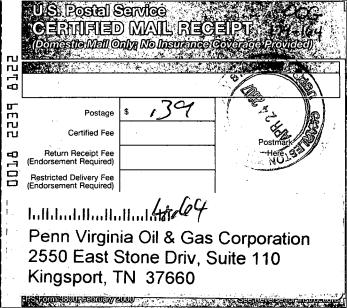


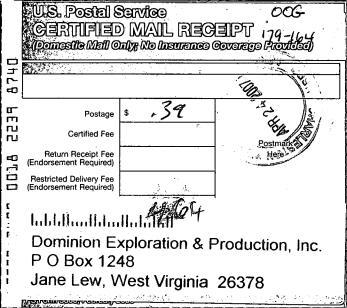
U.S. Postal Service SECTION MAIL RECE Domestic Mail Only; No Insurance Goverage Provided TU **d** Postage П Certified Fee ш Return Receipt Fee 018 (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Inhhidalladladi. Tedik Ltd., Partnership P O Box 1956 Williamson, WV 25661 THOMAS SUB ITERATURE AND THE PROPERTY OF THE P



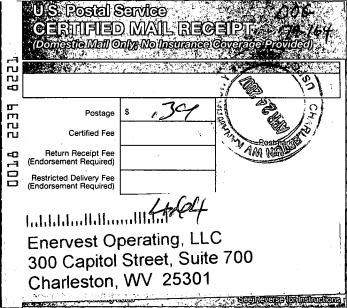






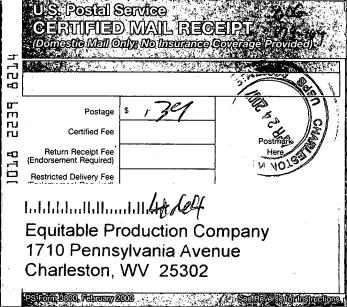




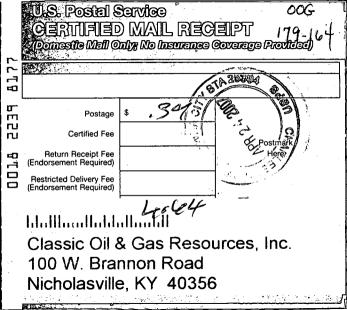


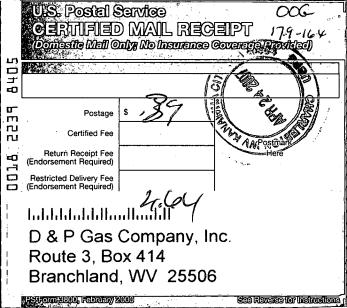
U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) 502 40 Postage m LI Certified Fee TU Return Receipt Fee (Endorsement Required) Restricted Delivery Fee laddaladladladladd Freedom Oil & Gas. Inc. P O Box 400 Canonsburg, PA 15317

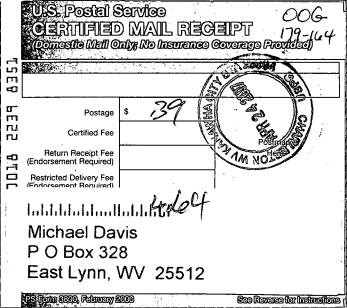
DC Farm 2000 Falanca DCCD

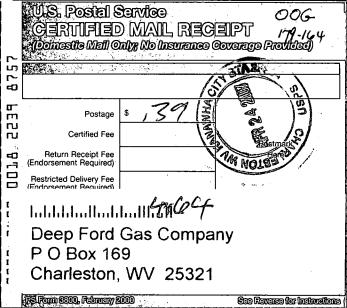








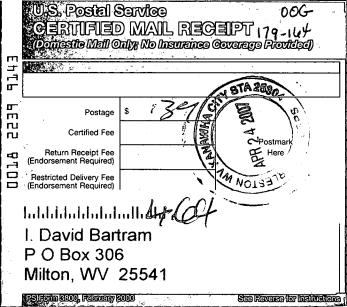








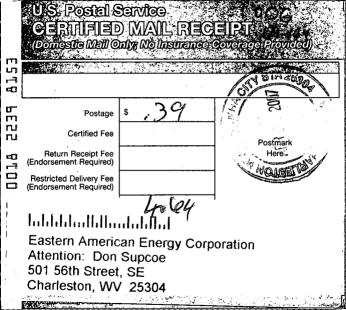
U.S. Postal Sarvice CERTIFIED MAIL RECEIPT **Domestic Mail Only, No Insurance Coverage Ploy** ,-7 П. Postage Certified Fee TU. Return Receipt Fee (Endorsement Required) Restricted Delivery Fee Ottelia Bates P O Box 281 West Hamlin, WV 25571 om 8300, February 2000 See Reverse for Instructions

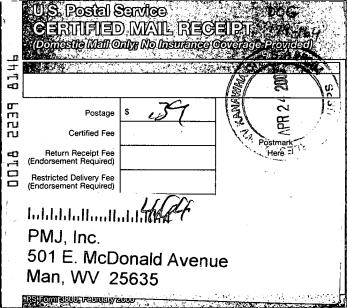


S. Postal Savice GERMFIED MAIL RECEIPT 179-164 Comestie Mail Only; No Insurance Coverage Provided $\mathbf{\sigma}$ Postage m ni Certified Fee n. Return Receipt Fee TH NOTA (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Lildelidelidelidelidelidelidel Franklin Adkins P O Box 70 Ona, WV 25545 Hom \$800, February 2000 See Reverse for Instructions

U.S. Postal Sarvice CERMPIED MAIL RECE Domestie Mail Only; No Insurance Coveracie Provide ΠU П Postage m Postmark Here NOIS3TH ПЦ Certified Fee TLI Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) haldalalladladla Allen & Jessie Gas Wells, Inc. Box 1437 Williamson, WV 25661

U.S. Posial Sarvice CERTIFIED MAIL RECEIPI (Domestic Mail Only; No Insurance Goverage Provide Postage m n. Certified Fee П Return Receipt Fee 0018 (Endorsement Required) Restricted Delivery Fee (Endorsement Required) I.I.I.II...III...III.IIII East Resources, Inc. P O Box 5519 Vienna, WV 26105

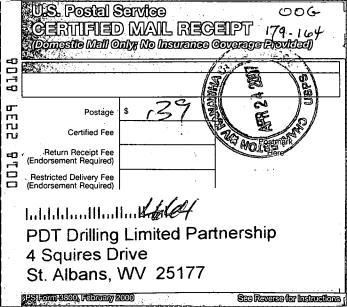




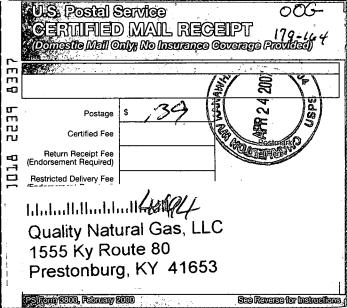
U.S. Postal Service (Pomestic Mail Only) No Insurance Coverage Provided т 7 ㅁ T Postage 173 ΠU Certified Fee n.i Return Receipt Fee 0.18 (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Hadladdan Laborator PetroEdge Resources, LLC Mr. Larry Richard 2925 Briar Park Drive, Suite 150 Houston, TX 77042

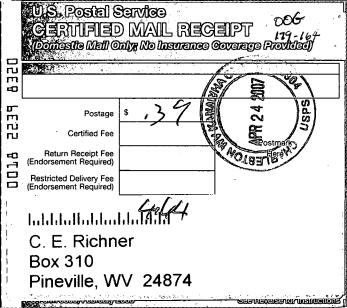
U.S. Postal Sarvice CECE MAIL RECE **Domestie Mail Only, No Insurance Coverage Provide** 40 ,39 • Postage đ ш ГЦ Certified Fee nu Postmark Return Receipt Fee 40 (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Habililli Half Payne Gas Company 4977 Linkous Ct. Hilliard, OH 43026 1.STOMESTOFT COMPANY

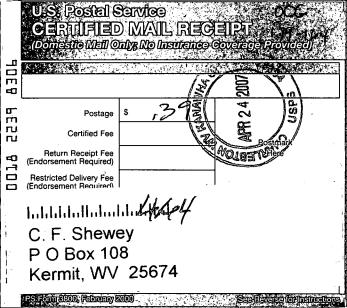


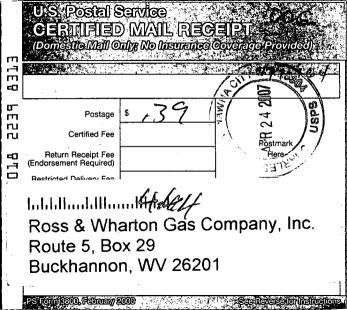




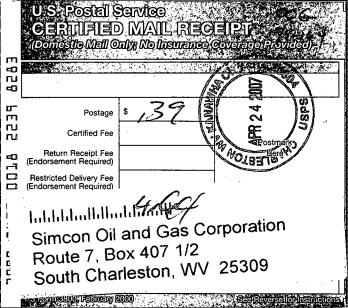


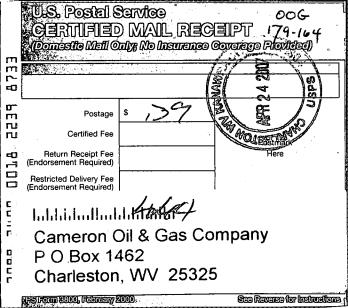


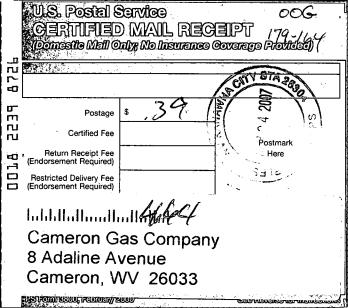








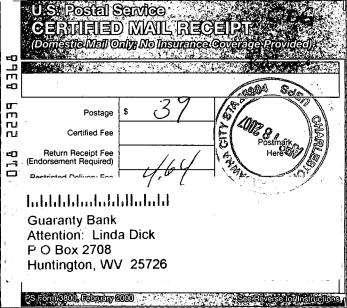


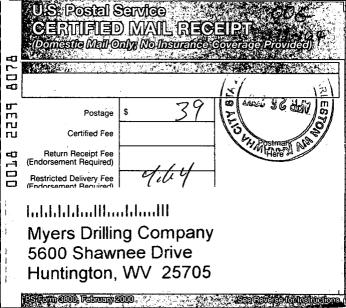


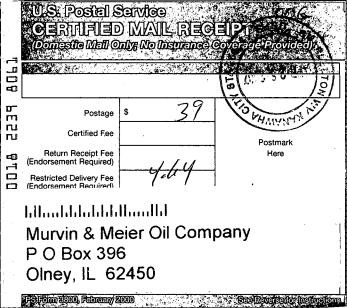
U.S. Postal Savice GERTIFIED MAIL RECEIPT 1-16 (Domestie Mail Only, No Insurance Coverage Provideo ~ ED) П. Sps Postage ш n. Certified Fee ш Return Receipt Fee 0018 (Endorsement Required) Restricted Delivery Fee (Endorsement Page 15-5) Handallandhdadada Coff Ε C Calvert Company Attention: Dani п P O Box 54589 U Oklahoma City, OK 73154 2

U.S. Postal Service Cernified Mail Rece (Pomestie Mail Only: No Insurance Goverage Provided) 979 Postage m ш Certified Fee n i Return Receipt Fee 9 (Endorsement Required) Restricted Delivery Fee Cabot Oil and Gas Corporation Attention: Tom Liberatore 900 Lee Street, East - Suite 500 Charleston, WV 25301 Form 8300, February 2000 See Reverse for Instruction

U.S. Postal Sarvice ESEN JIAM DEIFITRES Domestic Mail Only, No Insurance Coverage Provided $\mathbf{\pi}$ Postage m Certified Fee пи Return Receipt Fee Here 018 (Endorsement Required) Restricted Delivery Fee haldladdalland Harach Brewer Natural Gas, LLC 825-C Merrimon Avenue, #315 Asheville, NC 28804 om \$300, February 2000 See Reverse for Instructions

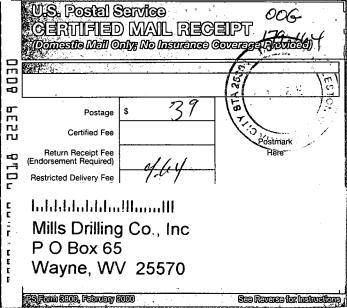


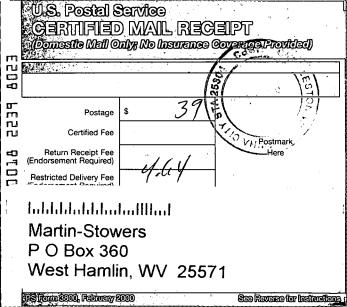


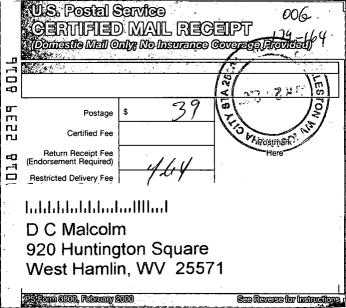




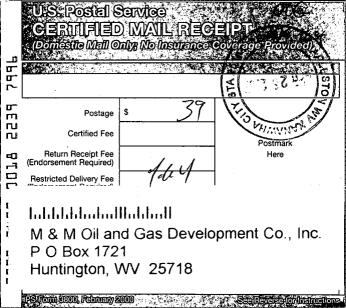
U.S. Postal Service Cerified Malerecei Domestie Mail Only, No Insurance Coverage Provide 40 Postage Certified Fee Rostmark Return Receipt Fee 40 (Endorsement Required) Restricted Delivery Fee Mountain V Oil & Gas, Inc. P.O. Box 470 Bridgeport, WV 26330



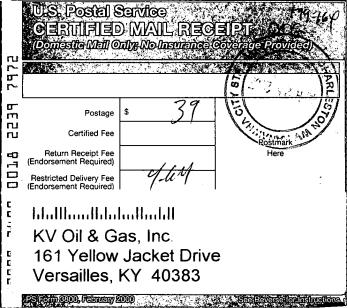


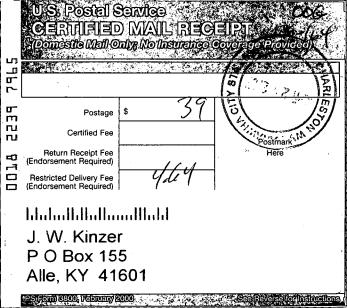














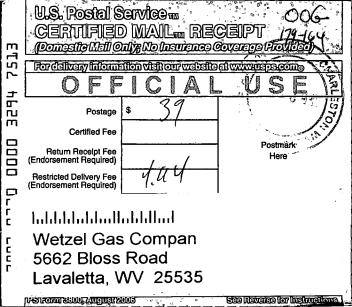


U.S. Postal Sarvice 006 CECEPT MAIL RECEIPT (Domestic Mail Only, No Insurance Coverage Provid U 42 11 П Postage m MANA NO MAN пu Certified Fee \mathbf{n} Return Receipt Fee 7700 (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Huntington Oklahoma Oil Company P O Box 424 Huntington, WV 25709 MANAGEMENT LEGISLES PROPERTY AND DESCRIPTION OF THE PROPERTY A See Reverse for Instruction

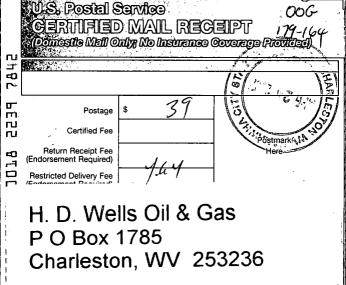


U.S. Postal Sarvice OERITIFIED MAIL REGE Domesije Mail Only; No Insurance Coverage 0 Postage MANNA DE П Certified Fee ПЦ Postmark Return Receipt Fee Here 40 (Endorsement Required) Restricted Delivery Fee Guyan Gas Producters, Inc. P O Box 1013 Oceana, WV 24870

U.S. Postal Sarvice GERMFIED MAIL RECEIPT (Domestio Mail Only; No Insurance Coverage Crovide 7 u Postage ГЦ Certified Fee Postn Hille n. Return Receipt Fee 7018 (Endorsement Required) Restricted Delivery Fee Jackson Resources Co. 24 Second Street Hamlin, WV 25523 Form \$300, February 2000 See Reverse for Instructions







PS: Form \$800, February 2000

See Reverse for Instructions

